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TELEGRAPHIC ADDRESS:
"CHEMICUS LONDON."

**Established in
[AUSTRALASIA, 1885.]**

No. 1,659. Vol. LXXIX.

NOVEMBER 11, 1911.

{Subscription, 10s. per annum, including Diary.
Free the World over. Single Copies, 6d. each.
Winter and Summer Issues, 1s. each. Post Free.

STOCK *Apollinaris* The Physicians' Favourite Natural Table Water.

In the special sizes so commonly ordered for the sick room.

Small quantities of 25 bottles in assorted sizes specially supplied to Chemists.

Apply **THE APOLLINARIS CO. LIMITED, 4 STRATFORD PLACE, LONDON, W.**

IMPORTANT REMINDER.

We particularly desire to draw the attention of the trade to the revised prices of the "Allenburys" Milk Foods, Nos. 1 and 2, and the "Allenburys" Diet which came into force on October 2nd, 1911.

The "Allenburys" Milk Foods, Nos. 1 and 2.

The "Allenburys" Diet.

Size of Package.	Minimum Retail Price.	Gross Wholesale Price.
1/6	1/6	16/- per doz.
3/-	3/-	32/- "

The above prices are subject to our usual discount.

There is no change in the prices of the No. 3 Food.

The prices indicated above are protected under P.A.T.A. rules and must be observed. The minimum retail prices of 1/5 and 2/10 which formerly obtained for these products may no longer be charged.

ALLEN & HANBURYS LTD., LONDON.

A Winter Line

WITH every order as below we give a Showcard with wording comparing effect of the tablets with older fashioned remedies as mentioned on page 73 of "Chemist and Druggist," Oct. 28.

NAME AND ADDRESS ON 3 DOZEN LOTS, WHICH MAY BE AS-
:: SORTED ::

QUININE & CINNAMON TABLETS

CHOCOLATE COATED.

In Oval Screw - Capped Bottles

25's : 3/9 doz.

50's : 6/6 "



Arthur H. Cox & Co.,

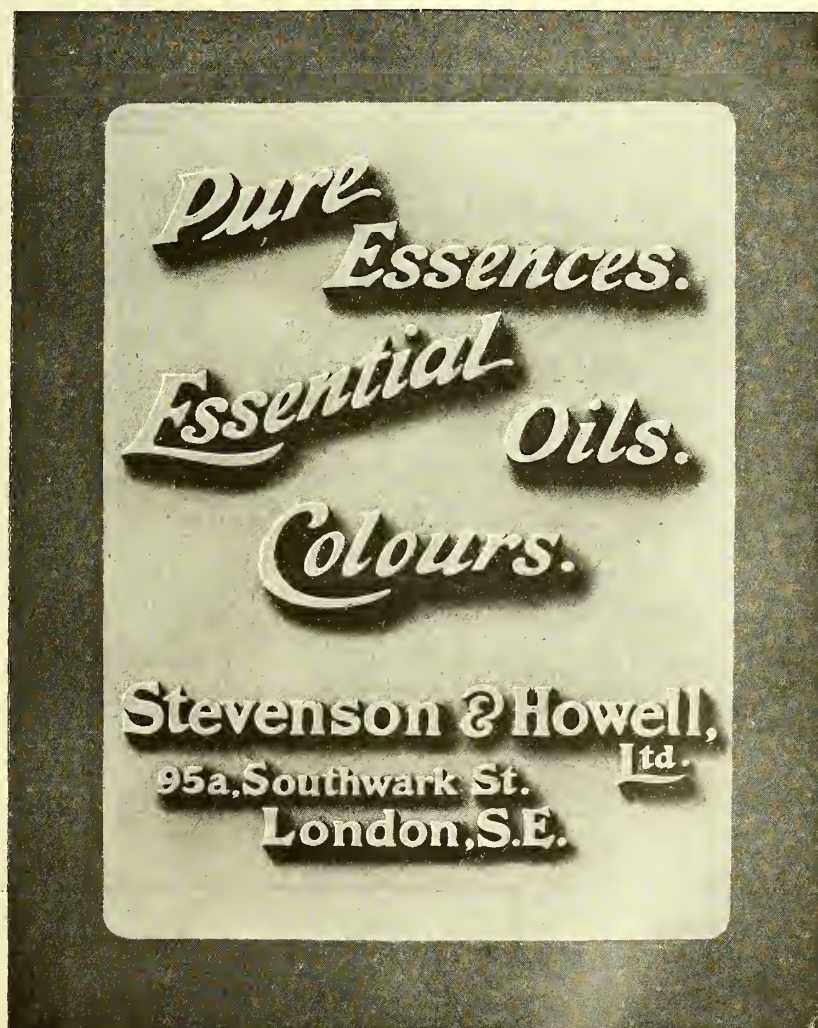
(ESTABLISHED 1839.)

Limited,

Manufacturing Chemists, BRIGHTON.

STEVENSON & HOWELL

LTD.



SOUTHWARK STREET, LONDON, S.E.

No. 4

Maw's

S. MAW, SON & SONS

7 to 12 ALDERSGATE ST

LONDON, E.C.



Page.

Telegraphic Address: "ELEVEN LONDON."

Telephone No.: LONDON WALL 3230 (4 lines).

Fogs,

BE PREPARED FOR THE
DEMAND FOR INHALERS.

Damp foggy weather will soon drive
its quota of victims to your Pharmacy
to obtain relief from the



Fig. 2153. (Half actual size.)
VEST POCKET
INHALER.

This is a handy little
article, and is constructed
to fit the vest pocket. Its
compactness is appreci-
ated by those who object
to the larger varieties.
Each in Nickel-Plated
Case, per doz. - 3/9

various complaints insepar-
able from winter. MAW'S
Inhalers are a well tried reli-
able line which meet a steady
demand at this season. Maw's In-
halers are one and all manufactured
solely of the finest materials.
The large sales they enjoy
are eloquent proof of their quality.



Fig. 2152. (Half actual size.)

POCKET INHALER.

This pattern meets all requirements
for the easy inhalation of essential
oils, menthol, etc. Fitted with
I.R. piece for nasal use. Each in
Cardboard Box, per doz. - 7/6
Each in Leather Case, per doz. 14/-



MENTHOL INHALER.

This Inhaler contains pure menthol
only, is exceedingly strong, and
attractive in appearance. There is
always a demand for inhalers. See
that you meet it with MAW'S
quality. In Nickel-Plated Cases,
per doz. - - - 2/- and 5/3



Xmas Gifts

A Toilet Case makes one
of the nicest Gifts, and
always sells well. Why
not include a few of
these in your Xmas
Display?

Gent's Folding Case.
Real leather, long grain.
No. 32G (8 pieces) 10/9
each. Can be supplied
in a variety of sizes.

BEAUTY'S CHOICE

A PERFUME WITH A ROMANCE.



A wonderful new Scent, originally created to suit the taste of these four of London's Leading Actresses can now be obtained by the public at 4/6 a bottle.

Some time ago, Messrs. Atkinson of 24 Old Bond Street, were

commissioned to create an entirely new perfume for the four famous actresses whose portraits are printed above. The house, after many careful and exhaustive experiments, evolved a series of five perfumes which were submitted to the four ladies for selection. The perfumes were labelled 1, 2, 3, 4 and 5. Each was the outcome of years of experience—but one had a fragrance more delicate than the others, a refinement more rare, a charm more fascinating—this was 'No. 3,' or, 'Poinsetta.'

Atkinson's "Poinsetta"

Those who created this new perfume had said it was their

masterpiece, and the actresses unanimously pronounced it their favourite. Read what they say about "Poinsetta" in the testimonials given on this page.

"Poinsetta" Perfume possesses the fresh fragrance of the living flower; it has the intensity of a bouquet, and yet is so delicate, so subtle, so pervading, that its charm is everywhere evident, though its presence is nowhere obtrusive.

It creeps into the senses; soothes, delights, refreshes its charm lingers in the memory long after the perfume itself has stolen away.

"Of the five sample bottles I prefer No. 3 ('Poinsetta'). It's soft, dreamy character lends it a very distinctive charm."

(Sgd.) **PHYLLIS DARE.**

"I believe you would find it much more popular if you increased the price. People who do not know 'Poinsetta' might be a little incredulous that a fine perfume could be bought for 4/6—in fact, most of my friends pay 10/6."

(Sgd.) **CONNIE EDISS.**

"I used to think that the best perfumes came from abroad, but the sample labelled No. 3 ('Poinsetta') is, I think, the most delicate and delightful scent I have ever found."

(Sgd.) **GABRIELLE RAY.**

"I am surprised that a perfume of such rare charm and delicacy can be obtained for so low a price as 4/6. 'Poinsetta' is unobtrusive but sweetly all-pervading."

(Sgd.) **OLIVE MAY.**

"POINSETTA" PERFUME.—In three sizes, 4/6, 8/6, and 20/- per bottle.
"POINSETTA" TOILET POWDER.—Blanche, Rose and Brunette. Price 2/- per box.

"POINSETTA" TOILET SOAP. Price 1/- per tablet.
"POINSETTA" HAIR LOTION. Price 6/- per bottle.
"POINSETTA" SACHETS for perfuming gloves, linen, &c. Price 1/- each.

These Specialities are now being extensively advertised as above, Chemists should stock them without delay so as to secure the trade we are making for them.

All the articles are on the P.A.T.A. List and show ample margin of profit.

Trade terms on application.

J. & E. ATKINSON, Ltd., 24 OLD BOND ST., LONDON, W.

When Ordering Pepsin Specify Armour's!

It is the best the
market affords.

"Armour" Pepsins
are high-grade, non-
hygroscopic, perfectly
aseptic, free from
objectionable odour
and taste, and

ANSWER
OFFICIAL REQUIREMENTS
IN
EVERY PARTICULAR.

Supplied in 2,500, 3,000, and 5,000 Tests.

ARMOUR  **COMPANY LTD**
ATLANTIC HOUSE HOLBORN VIADUCT
LONDON E.C.

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BRANCH OFFICES: MELBOURNE, SYDNEY, AND ADELAIDE, AUSTRALIA.

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Degen, F. A.
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Flugel & Co.
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May & Baker, Ltd.
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Smith, T., & H., Ltd.

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Sturge, John & E., Ltd.

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Devold Peder
Jervell & Co.
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Gardner

CORN PLASTERS

Solport Bros.

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Valda Pastilles

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COUNTER DISPLAY STANDS

London & Colonial Mfg. Co.

COUNTER SPECIALITIES

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British Drug Houses, Ltd., The
Hewlett, C. J., & Sons
Lloyd, T. H., & Co., Ltd.
Lorimer Marshall
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
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COURT PLASTER

Pharm. Indust. Ges. (Offen-
bach)
Solport Bros.

CREAM OF TARTAR

British Drug Houses, Ltd., The

CREOSOTE

Bates Bros. & Stevenson, Ltd.
Burt, Boulton & Haywood, Ltd.
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CREPE BANDAGES

Burge, Warren & Ridgley, Ltd.
Gimber, W., & Son
Leslies, Ltd.
Norwich Crêpe Co. (1856), Ltd.
Wood, Vincent

CYANIDES

May & Baker, Ltd.

DAIRY SPECIALITIES

Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.

DENTAL INSTRUMENTS

Hatrick, Jas. L., & Co., Ltd.

DENTAL MECHANICS

Browning, A. J.
Culwick H. E.
Fentiman, A. G.
Fentiman, A. J., & Co.
Garthwaite, H.
Halder, E. O.
Wardals & Co.

DEVELOPERS

Express Developing Co.

DEXTRINE

Fink, F., & Co.

DIGESTIVE PRODUCTS

Armour & Co., Ltd.
Benger's Food, Ltd.
Fairchild Bros. & Foster
Parke, Davis & Co.
Squire & Sons
Widenmann, Broicher & Co.
Zimmermann, O., & Co.

DENTIFRICES

Bash & Co.
Beecham, T.
Bell (John), Hills & Lucas, Ltd.
Blackie, Robert
Calvert, F. C., & Co.
Christy, T., & Co.
Cook, E., & Co., Ltd.
Enoryl, Ltd.
Jewsbury & Brown
John Strange Winter
Knox, Walker, J., & Co.
Lambert Pharmacal Co.
McKesson & Robbins (Inst)
Mason Bros. & Chapman
Maw, S., Son & Sons
Newbury, F., & Sons, Ltd.
Odol Chemical Works
Riedel, J. D., & Co.
Sangers'

Standard Tablet & Pill Co., Ltd.

Woolley, J., Sons & Co., Ltd.

DEVELOPERS (PHOTO)

Griffin, John J., & Sons, Ltd.
Johnson & Sons (Mfg. Chts.)

DIABETIC FOODS

Ayrton, Saunders & Co., Ltd.
Brusson Jeune

Van Abbot, G., & Sons

DISINFECTANTS

Baies Bros. & Stevenson, Ltd.
Burt, Boulton & Haywood, Ltd.
Calvert, F. C., & Co.
Condy & Mitchell, Ltd.
Cook, E., & Co., Ltd.
Jeyes' Sanitary Compds., Ltd.
Sanitas Co., Ltd.
Tomlinson & Hayward, Ltd.
Willows, Francois B. & T.
Wright, Layman & Umney, Ltd.

DOUCHES

Eschbaum, F. A., Ltd.

Maw, S., Son and Sons

Reuter, R. J.

DRUGGISTS' SUNDRIES

Ayrton, Saunders & Co., Ltd.
Barclay & Sons, Ltd.
Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Bush, H. W., & Co., Ltd.
Christy, T., & Co.
Edwards, W., & Son
Evans Sons Lescher & Webb Ltd
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Nichel, H., & Co.
Pothe, H., & Co.
Quelch, H. O., & Co.
Reuter, R. J.
Sangers'
Schutze, F., & Co., Ltd.
Shirley Bros., Ltd.
Solport Bros.
Southall Bros. & Barclay, Ltd.
Swales, Thomas
Toogood, W., Ltd.
Wattenbach, O.
Woolley, J., Sons & Co., Ltd.

DRUGS, CRUDE

Baies Bros. & Stevenson, Ltd.
Brook, Parker & Co., Ltd.
Gathergood's Exor.
Goodall, Backhouse & Co.
Hornor & Sons
Potter & Clarke, Ltd.
Ransom, W., & Son
Schmitt & Wildenhayn
Sparks, White & Co., Ltd.

DYES

Crawshaw, E., & Co.
Judson, Daniel & Son
Whitaker & Co. (Hat)

DYEWARES

Clemons, Marshall & Carbert
Farina, J. M.
Farina, J. M. (No. 4)

Farina, Johann Maria

Flocks, Courtenay & Co.

McCracken, J. & R.

Schutze F. & Co. Ltd.

Van Oppen Ross & Co.

EAU DE COLOGNE SOAP

Van Oppen Ross & Co.

EFFERVESCENT PREPS.

Bishop, Alfred, Ltd.
Bristol-Myers Co.
Guest, Thos. & Co.

Lloyd T. Howard & Co.

Wright, Layman & Umney, Ltd

ELASTIC HOBIERY

Ayrton, Saunders & Co., Ltd.

Burge, Warren & Ridgley, Ltd

Haywood, J. H., Ltd.

Maw, S., Son & Sons

Surgical Hoisery Co. Ltd.

Wood, Vincent

EDUCATIONAL INSTITITS

Bath & West of England College
Birmingham & Midland College
Borough Polytechnic
College of Preceptors
Glasgow School of Pharmacy
Liverpool School of Pharmacy
London College of Pharmacy
North of England School
Northern College of Pharmacy
South of England College
Westminster College

ELASTIC GUM INSTS.

Mason Bros. & Chapman

ELECTRICAL NOVELTIES

Millard Brothers, Ltd.
Ward & Goldstone

EMERY AND CLOTH

Oakey, J., & Son, Ltd.

EMULSIFIERS

Bennett, Sons & Shears, Ltd.

EMULSIONS, C. L. O. &c.

Ayrton, Saunders & Co., Ltd.
Balse Bros. & Stevenson, Ltd.
Burgoyne, Burdidges & Co.

ENEMAS

Bailey, W. H., & Son
Burge, Warren & Ridgley, Ltd.
Daval Rubher Co.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Warne, W., & Co., Ltd.

EPSOM SALTS

Corhyn, Stacey & Co., Ltd.
Howards & Sons, Ltd.

ESSENCES, CONCRETE

Lautier Fils
Tombarel Frères

ESSENCES, SOL. AND FRUIT

Alliance Drug & Chem. Co.
Barnett & Foster
Boake Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Hay, Wm., Ltd.
Lautier Fils
London Essence Co.
Newhall & Mason
Stevenson & Howell, Ltd.

ETHERS

Bales Bros. & Stevenson, Ltd.
Duncan, Flockhart & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
Whit A., & Sons

EUCALYPTUS OIL

British Drug Houses, Ltd., The

EXTRACT OF HERBS

Newhall & Mason
Potter & Clarke, Ltd.

EXTRACTS (MEDICINAL)

Allen, Stafford, & Sons, Ltd.
Evans Sons Lescher & Webb Ltd.
Gathergood's Exor.
Hewlett, C. J., & Son, Ltd.
Parks, Davis & Co.
Ransom, W., & Son

FACTORY SITES

North-Eastern Railway
Great Western Railway

FEEDING BOTTLES

Bush, Henry, W., & Co., Ltd.
Evans Sons Lescher & Webb Ltd.
Horlick's Malted Milk Co.
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
Reuter, R. J.
Sangers'
Shirley Bros., Ltd.

FILTERS

Berkfeld Filter Co., Ltd.

FOODS, INVALID

Allen & Hanburys, Ltd.
Bell (John), Hills & Lucas, Ltd.
Benger's Food, Ltd.
Bovril, Ltd.
Brand & Co., Ltd.
Oor, Arthur H., & Co., Ltd.
Fairchild Bros. & Foster
Horlick's Malted Milk Co.
"John Bull" Foods, Ltd.
Leothin, Ltd.
"Lemco and Oxo"
Lothouse & Saltmer
Menley & James, Ltd.
Natural Food Co., Ltd.
Neave, Josiah R., & Co.
Theinhardt's Food Co.
Turtle Cup (1911), Ltd.
Wander, A., Ltd.
Willows, Francis, B. & T.

FULLER'S EARTH

Mumford, G. S., & Sons

FUMIGATORS

Sanitas Co., Ltd.
FLESH GLOVES, STRAPS, &c.
Nickel, H., & Co.
Reuter, R. J.
Sangers'
Solport Bros.

FLYCATCHERS

Alabastine Co. (British), Ltd.
Brook, Parker & Co., Ltd.
Deansmere Manfg. Co.
Ford, Shapland & Co.
Kay Bros., Ltd.
Smith, J. H., & Co.
Tunbridge & Wright

FURNITURE POLISH

Elivee Company

GLAUBER'S SALT

Bramwell, E., & Son
Howards & Sons, Ltd.

GLYCERINE

Melfert, Hermann & Co.
Price's Patent Candle Co., Ltd.

GLYCERINE PLANT

Forshaw, E., & Sons, Ltd.

GLYCEROPHOSPHATES

Merok, E.
Point & Girard
Reitmeyer & Co.

GOLD PAINT

Judson, D., & Son
GRINDERS, DRUG, &c.
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis, B. & T.

GRIPE WATER

Woodward, W., Ltd.

GUMS

Fink, F., & Co.
Kidston, W. M., & Co.

HAIR DYES

Blackie, Robert
Harker, Stagg & Morgan, Ltd.
Osborne, Garret & Co.

HAIR PREPARATIONS

Anglo-Continental Trading Co.
Cheesbrough Manfg. Co.
Edwards' "Harlene" Co.
Egglossa Manfg. Co.
Harker, Stagg & Morgan, Ltd.
Harrison, G. W.
Herpicide Co.
John Strange Winter
Odol Chemical Works
Osborne, Garrett & Co.
Rohare's Aureoline
Vihert, F.
Warner Oliver, Ltd.

HAT CLEANERS

Christy, Thos., & Co.
Senior, Alf., & Co.

HAT DYES

Judson, D., & Son
Whitaker & Co.

HAY FEVER REMEDY

Lu-Ku Co.

HEATING APPARATUS

Clark's Syphon Stove Co., Ltd.
Rajar, Ltd.
Richmond Gas Stove & Meter
HERBS
Brook, Parker & Co., Ltd.
Fannett & Neden
Potter & Clarke, Ltd.
Ransom, W., & Son

HERBS

Brook, Parker & Co., Ltd.
Fannett & Neden
Potter & Clarke, Ltd.
Ransom, W., & Son

HOMOEOPATHIC MEDICINES

Ashton & Parsons, Ltd.
Keene & Asbwell, Ltd.

HOSPITAL FURNITURE

Hatrick, Jas. L., & Co., Ltd.

HOTELS

Esmond Hotel
Kingsley Hotel
Thackeray Hotel

HOT-WATER BOTTLES, &c.

Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Galen Manfg. Co., Ltd.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Schutze, F., & Co., Ltd.
Sheath Bros.
Southall Bros. & Barolay
Tompkins, James, Ltd.
Wood, Vincent

HYPHOSPHITES

May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

HYDROGEN PEROXIDE

May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co., Ltd.

ICHTHYOL

Ichthvol Gesellschaft

INK POWDERS

Williams Bros. & Co.

INSECT POWDER

Keating, Thomas

INHALERS

Burroughs Wellcome & Co.
Maw, S., Son & Sons
Sanitas Co., Ltd.

INSECTICIDES

Christy, Thos., & Co.
Tomlinson & Hayward, Ltd.

INSTEP SUPPORTS

Scholl, U. Manfg. Co.

IODINE RESUBLIMED

Howards & Sons, Ltd.
Huskisson, H. O., & Co.

IRISH MOSS

Cumming, J. W.
Salle, H., & Co.

ITROSYL

Fletcher, Fletcher & Co.

JARS AND POTS

Johnsen & Jorgensen, Ltd.
Pfeifer, O. A.

JELLOIDS

Reuter, R. J.
Stipendum Stopper Co.

JUJUBES

Jelloid Co.
Guest, Thos., & Co.
Potter & Clarke, Ltd.

JUNKET POWDER

Armour & Co., Ltd.
Block Light Co., Ltd.

LAMPS

Burroughs Wellcome & Co.

LANOLINE

Even, J., & Sons

LARD

Jackson, John, & Co.
Zimmermann, C., & Co.

LAVERDER WATER.

Maddocks & Co.

LEATHER DYES

Williams, Bros. & Co.

LECITHIN

Chemical Works "Victoria"
Salle, H., & Co.

LIME JUICE AND CORDIAL

Evans Sons Lescher & Webb Ltd.
Goodall, Backhouse & Co.

LINSEED, CRUSHED, &c.

Idris & Co., Ltd.
Mumford, G. S., & Sons
Taylor, J., & Sons, Ltd.

LINTS

Liverpool Lint Co.
Maw, S., Son & Sons
Robinson & Sons, Ltd.

LIQUORICE JUICE

Apollo
Evans Sons Lescher & Webb Ltd.
Horner & Sons
Jackson, E. E.

Mumford, G. S., & Sons
Solazzi
Whittaker, Arthur

LIQUORS, CONC. &c.

Fletcher, Fletcher, & Co.
Hewlett, C. J., & Son

LIQUORS, CONC. &c.

Robinson, B., & Co.
Wyleys, Ltd.

LITHIA SALTS

British Drug Houses, Ltd., The
May & Baker, Ltd.

LOOFAMS

Internl. Sponge Importers, Ltd.
Solport Bros.

LOZENGES

Ayrton, Saunders & Co., Ltd.
Denoual, J., & Co.

LOZENGES

Guest, Thos., & Co.
Jackson, E. E.

LOZENGES

Potter & Clarke, Ltd.
Raines & Co.

Standard Tablet & Pill Co., Ltd.
Warwick Bros.

MACHINERY, PHARMACAL

Allen & Hanburys, Ltd.
Bennett, E., & Son, Ltd.

MACHINERY, PHARMACAL

Bennett, Sons & Shears, Ltd.
Boothroyd, H. T., Ltd.

Braithwaite, H., & Co., Ltd.
Comet Chemical Co., Ltd.

Forshaw, E., & Son, Ltd.
Gardner, Wm., & Sons, Ltd.

Griffin, J. J., & Sons, Ltd.
Lister, R. A., & Co., Ltd.

Pindar, J. W., & Co.
Stokes, F. J., Machine Co.

Wilkinson, S. W., & Co.

MAGNESIA AND ITS PREPS.

British Drug Houses, Ltd., The
Henry, T., & W.

Howards & Sons, Ltd.
May & Baker, Ltd.

Phillips, Chas. H., Chem. Co.
Washington Chemical Co., Ltd.

MARKING INK

Hickinson, A. (Bond's)
Williams Bros. & Co.

MALT EXTRACT & PREPS.

Boulton, J., & Co.
British Diamalt Co., Ltd.
British Drug Houses, Ltd., The
Davies, Sons & Co.
Evans Sons Lescher & Webb

MANICURE PREPARATIONS

Saunders, J. Fouzeau, Ltd.

METAL GOODS

Betts & Co., Ltd.

MEAT EXTRACTS

Armour & Co., Ltd.
Bovril, Ltd.
Brand & Co., Ltd.
"Lemco and Oxo,"

Tooth's Extract of Meat Co.
Turtle Cup (1911), Ltd.

MECHANICAL SHOW FIGURES

Bush, Henry W., & Co., Ltd.

MENTHOL SNUFF

Shirley Bros., Ltd.

MERCURIALS

Alliance Drug & Chem. Co.
Howards & Sons, Ltd.

May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

METHYLATED SPIRIT

Burroughs, J., Ltd.
Macnair, A., & Co.
Preston's Liverpool Distillery.

Randall & Son, Ltd.

MICROSCOPES

Raphael's, Ltd.

MINERAL WATERS, SALTS

Apollinaris Co., Ltd.
Hughes, E. Griffiths.

Ingram & Royle, Ltd.
Vichy (State Springs)
Vittel

MIXERS AND SIFTERS

Comet Chemicals Co., Ltd.
Gardner, Wm., & Sons (Gloss-
cester), Ltd.

MUSTARD PLASTERS

Rueff, Julius

NURSES REQUISITES

Hatrick, Jas. L., & Co., Ltd.

OILS, MINERAL, FATTY

Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chemical Co.

Boake, A., Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.

Delvondahl & Kintzel
Dodge & Olcott Co.

Evans Sons Lescher & Webb, Ltd.
Jackson, John, & Co.

Lautier Fils
London Essence Co.

Poppelreuter, W.
Ransom, W., & Son.

Schimmel & Co.
Stevenson & Howell, Ltd.

Tombarel Frères
Varaldi, F.

Wright, Layman & Umney, Ltd.
Zimmermann, C., & Co.

OINTMENTS

Blackie, Robert
Burgess, E.
Calvert, F. O., & Co.

Cox, Arthur H., & Co.
Oldfield, Pattinson & Co.

Peat Products (Sphagnol), Ltd.
Smith, Manrice

Zimmermann, Chas. & Co.

OLIVE OIL

Goodall, Backhouse & Co.

Sparks, White & Co., Ltd.

Varaldi, F.

OPTICAL GOODS

Baird, John
Botwright & Grey

Darton, F., & Co.
Maw, S., Son & Sons

Nitsohe & Gunther Opt. Co., Ltd.
Raphael's, Ltd.

OPTICAL TUITION

Anglo American Optical Co.

British Optical Institute, Ltd.

Spectacle Makers' Company

ORANGE WINE

Hobson, Joseph & Son
Melrose-Drover Co., Ltd.

Millar, A., & Co., Ltd.

OTTO OF ROSE (SYNTH.)

Crown Chem. Wks.

Wright, Layman & Umney, Ltd.

Palatinoids
Oppenheimer, Son & Co., Ltd.

PATENT AGENT

Barker, R. W.

PHOTO. POSTCARDS

Major Ltd.

PACKED GOODS

Allen & Hanburys, Ltd.
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
Boulton, James & Co. (1909)
Brook, Parker & Co., Ltd.
Cox, Arthur H. & Co., Ltd.
Christy, Thos., & Co.
Davies, Sons & Co.
Goodall, Backhouse & Co.
Harker, C. R., Staggs & Morgan
Knox Walker, J., & Co.
Lloyd T. Howard, & Co.
Lorimer Marshall
May, Roberts & Co., Ltd.
Newball & Mason
Oldfield, Pattinson & Co.
Potter & Clarke, Ltd.
Sangers
Shirley Bros., Ltd.
Standard Tablet & Pill Co., Ltd.

PASTILLES

Allen & Hanburys, Ltd.
Aschoe, C. F., & Co.
Barrroughs Wellcome & Co.
Denoual, J., & Co.
Evans Sons Lescher & Webb, Ltd.
Gnest, Thos., & Co.
Warrick Bros.

PEPPERMINT OIL

Bing, M. & A. C.
Jackson, John & Co.

PERFUME MATERIALS

Bush, W. J., & Co. Ltd.
Delvendahl & Kuntzel
Hörner & Sons
Lantier Fils
Naef, M., & Co., Sucers.
Sohimmel & Co.
Tombarel frères
Varaldi, F.
Wright, Layman & Umney, Ltd.
Zimmermann, C. & Co.

PERFUMES

Allen & Hanburys, Ltd.
Atkinson, J. & E., Ltd.
Baiss Bros. & Stevenson, Ltd.
Barclay & Sons, Ltd.
Bronnley, H., & Co., Ltd.
Bnsh, W. J., & Co., Ltd.
Charles, W. F.
Christy, T., & Co.
Olaber, S., & Co., Ltd.
Erasmio Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Haliflor Co.
Hewlett, C. J., & Son
Hovenden, R., & Sons, Ltd.
Jago & Jerome
John Strange Winter
Lescol Perfumery Co.
McCracken, J. & R.
Newbery, F., & Sons, Ltd.
Piver, L. T.
Qneloh, H. C., & Co.
Rivers, Hill & Co., Ltd.
Shirley Bros., Ltd.
Southall Bros. & Barclay Ltd.
Van Oppen Ross & Co.
Vinolia Co.
Warrick Bros.
West, T., & Son
Wolff, F., & Sohn

PESSARIES (SOLUBLE)

Burge, Warren & Ridgley, Ltd.
Rendell, W. J.

PETROLEUM JELLY

Chesebrough Mfg. Co.
Sohliemann's Oil & Ceresine Co.
Stern, Sonneborn Oil Co., Ltd.

PHOTO. CHEMICALS

Boehringer, C. F., & Soehne
Griffin, John J., & Sons, Ltd.
Johnson & Sons (Mfg. Chts.), Ltd.
Reitmeyer & Co.

PHOTO. GOODS

Barclay & Sons, Ltd.
Barrroughs Wellcome & Co.
Evans Sons Lescher & Webb, Ltd.
Express Developing Co.
Griffin, John J., & Sons, Ltd.
Hford, Ltd.
Kent, G. B., & Sons, Ltd.
Lennon, Ltd.
May, Roberts, & Co., Ltd.
Newbery, F., & Sons, Ltd.
Oppenheimer, Son & Co., Ltd.
Silverdale Photo Works.

PHOTO. RUBBER GOODS, & C.

Altrinoham Rubber Co.

PLASTIC MODELS

Knox, Walker (J.) & Co.

POSTAL BOXES

Robinson & Sons, Ltd.

PLASTERS

Alcock Mngf. Co.
Berliner, Arthur
Dalmas, A. de St., & Co.
Leslies, Ltd.

PILL MAKERS

Allen & Hanburys, Ltd.
Aschoe, C. F., & Co.
British Drug Houses, Ltd., The
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Howards & Sons, Ltd.
Lloyd, T. Howard, & Co.
Parke, Davis & Co.
Standard Tablet & Pill Co., Ltd.
Wand Manfg. Co.
Wyleys, Ltd.

PLEATED PAPER

Warter, Wilkinson & Co.
Smith Bros. & Co.

POLISHES (VARIOUS)

Bradley & Bourdas
Oakley, J., & Sons, Ltd.

POSTERS

Ford, Shapland & Co.

PRINTERS

Arden Press
Ford, Shapland & Co.
Harrison & Waide
Suttley & Silverlock, Ltd.
Townsend, J., & Sons

PROPRIETARY ARTICLES

Ashton & Parsons, Ltd.
Barclay & Sons, Ltd.
Battley & Watts
Beecham, T.
Bovril, Ltd.
Bow's Linament, Ltd.
Box, W. H.
British Drug Houses, Ltd., The
Burgess, E.
Chamelson Oil Co., Ltd.
Christy, T., & Co.
Corbyn, Stacey & Co., Ltd.
Crimson Cross Dispensary
Daisy, Ltd.
Danys Virus, Ltd.
Davenport, J. T., Ltd.
Edwards, W., & Son
Evans Sons Lescher & Webb, Ltd.
Faulding, F. H., & Co.
Fellows' Med. Mngf. Co.
Fennings, Alfred
Ferris & Co.
Fox & Co. (Liverpool), Ltd.
Freeman's Chlorodyne, Ltd.
Fulford, C. E., Ltd.
Goodall, Backhouse & Co.
Harrison, Geo. W.
Henry, T. & W.
Hnghes, E. Griffiths
Iothtyol Gesellschaft
Kay Bros., Ltd.
Keating, Thomas
Kutnow, S., & Co., Ltd.
Lalor's Phosphodyne
Lecithin, Ltd.
"Lemco" and "Oxo"
Lincoln & Midland Counties
Drug Co.

Lofthouse & Saltmer
"Lu-Ku" Co.

Maokenzie's Cure Depot
Martindale, W.

May, Roberts & Co., Ltd.
Munyon's Remedy Co.

Newbery, F., & Sons, Ltd.
Odol Chemical Works

Oppenheimer, Son & Co., Ltd.
Owbridge, W. T., Ltd.

Phillips, Chas. H., Chem. Co.
Resinol Chemical Co.

Richter, C., & Co.
Riedel, J. D., Co.

Sangers
Saville Bros.

Schimmel & Co.
Scott & Bowne, Ltd.

Smith, Lewis
Squire & Sons

Standard Tablet & Pill Co., Ltd.
Thompson & Capper

Tunbridge & Wright
Ucal Works

Urilac Syndicate
Valda Pastilles

Wander, A., Ltd.
Warner Oliver, Ltd.

Warrick Brothers
Wilcox, Jozeau & Co.

Wright, Layman & Umney, Ltd.
Zimmermann, C., & Co.

PUFFS

Nickel, H., & Co.
Solport Bros.

PULVERIZERS

Warrick Bros.

PULVERETTES

Oppenheimer, Son & Co.

PUMPS

Berkefeld Filter Co., Ltd.

QUININE AND SALTS

Alliance Drug & Chem. Co.
Boehringer, C. F., & Soehne
Barrroughs Wellcome & Co.
Corbyn, Stacey & Co., Ltd.
Howards & Sons, Ltd.
Pointet & Girard

RESIN AND RESINOIDS

Allen, S., & Sons, Ltd.

Morson, T., & Son

Ransom, W., & Son

Smith, T. & H., Ltd.

RENNET

Fullwood, R. J., & Bland

Oldfield, Pattinson & Co.

RESPIRATORS

Zimmer & Co.

RUBBER GOODS

Berliner, Arthur

Burge, Warren & Ridgley, Ltd.

Daval Rubber Co.

Haywood, J. H., Ltd.

Maw, S., Son & Sons

May, Roberts & Co., Ltd.

Surgical Hosiery Co., Ltd.

Warne, W., & Co., Ltd.

RUBBER STAMPS

Richford, C. D.

SACCHARIN

Saccharin Corporation, Ltd.

SACHETS

Charles, W. F.

SAMPLE CASES

Keane, Thomas

SANITARY TOWELS

Southall Bros. & Barclay, Ltd.

SANTONIN

Smith, E. A., & Co.

SAPONIN

Field, C. W

SAUCES

Goodall, Backhouse & Co.

SCALE PREPARATIONS

Morson, T., & Son

SCIENTIFIC APPARATUS

Reynolds & Branson, Ltd.

SEA SALT

Tidman & Son, Ltd.

SEAWATER PLASMA

Boisselier, Astor

SEEDS

Potter & Clarke, Ltd.

Taylor, J., & Sons, Ltd.

SERUMS AND ANTITOXINS

Allen & Hanburys, Ltd.

Evans Sons Lescher & Webb, Ltd.

Parke, Davis & Co.

Richter, C., & Co.

Schimmel & Co.

Wilcox, Jozeau & Co.

SHARES

McAdam & Tuckniss

SHELLAC

Kershaw, H. E., Ltd

SHEEP DIPS

Burt, Boulton & Haywood

Tomlinson & Hayward, Ltd.

SHEEP MEDICINES

Pettifer, Stephen, & Sons

SHOP FITTING

Ayrton-Graham, Ltd.

Bowling & Son

Cook, George

Evans Sons Lescher & Webb, Ltd.

Grant, D.

Josephs, Philip & Sons, Ltd.

London & Colonial Mfg. Co.

Maw, S., Son & Sons

Parnall & Sons, Ltd.

Rudduck & Co.

Sangers

Southall Bros. & Barclay, Ltd.

SHOULDER STRAPS

Wood, Vincent

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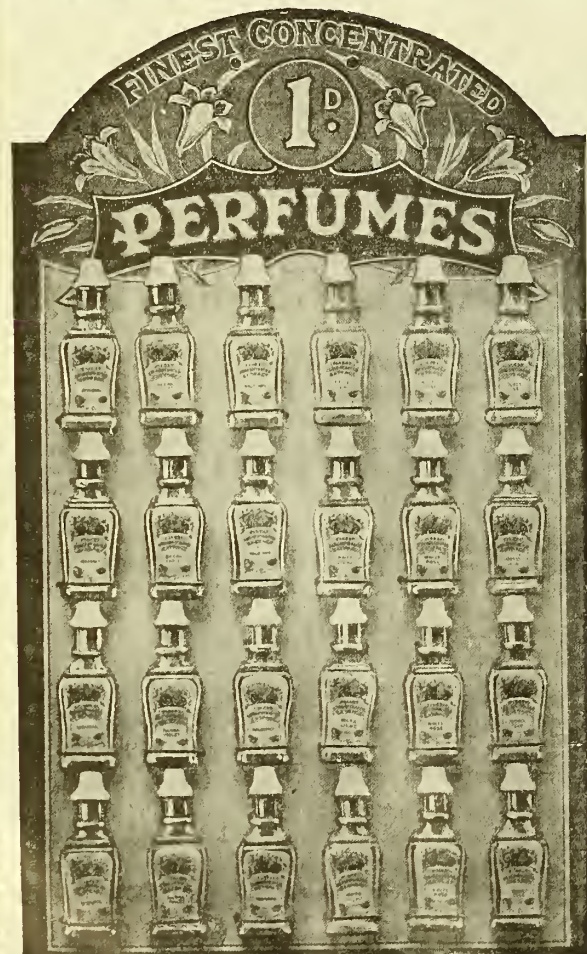
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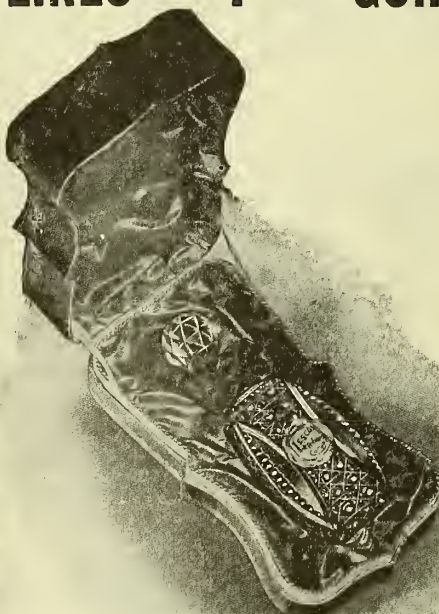
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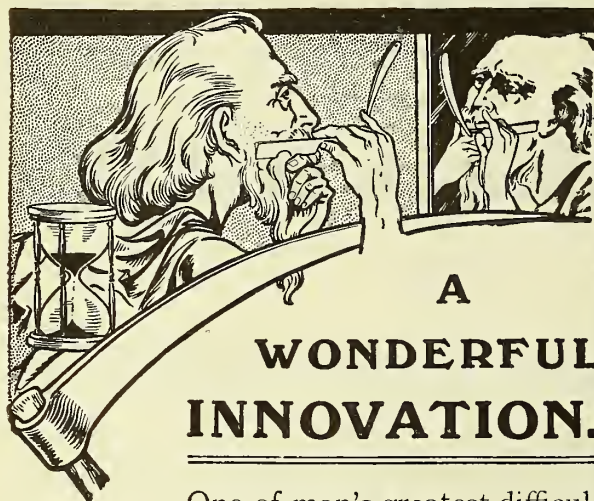


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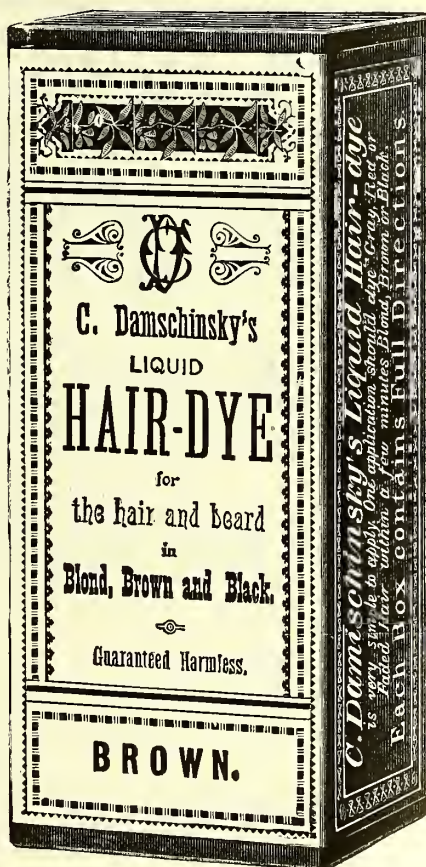
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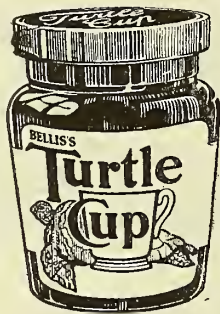
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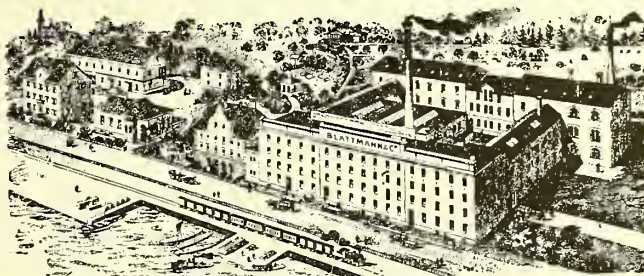
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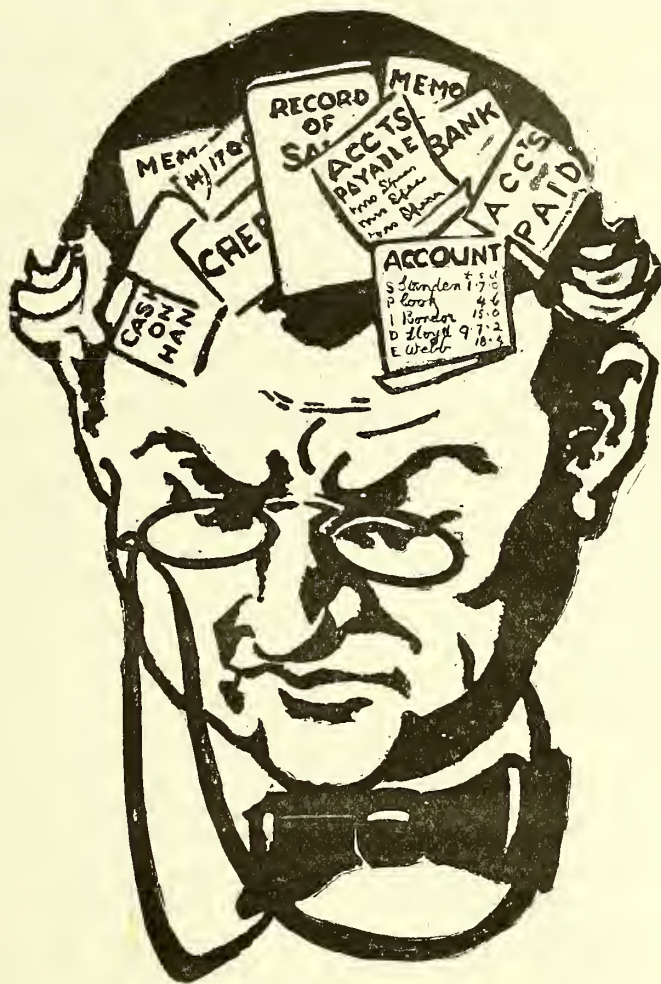
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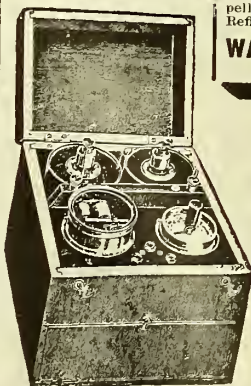
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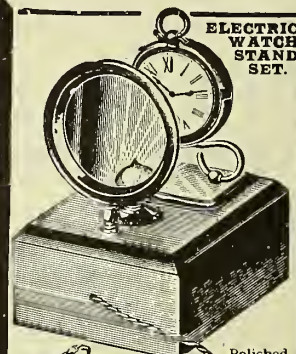
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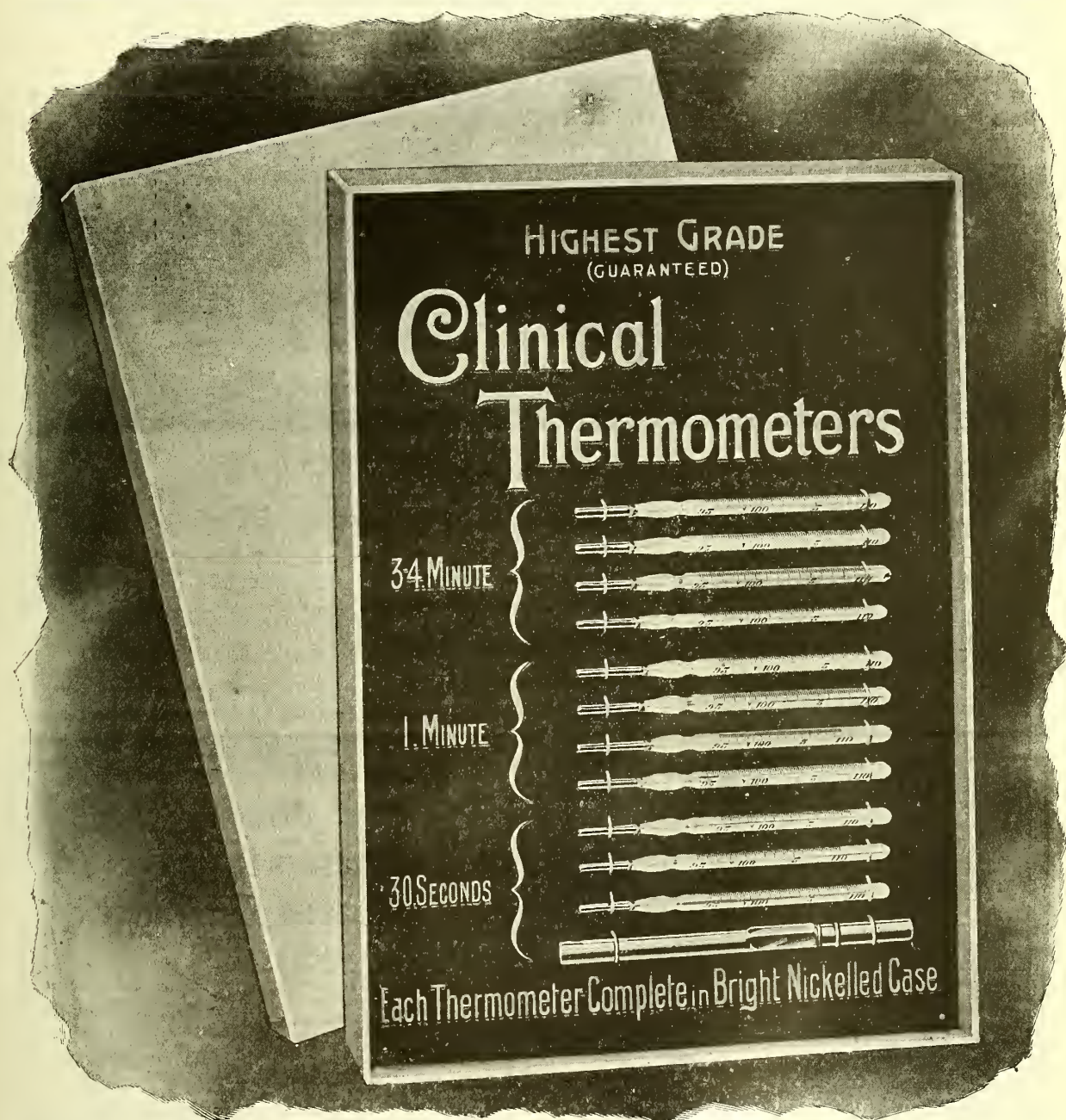
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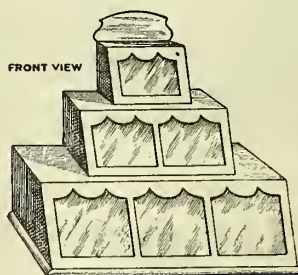
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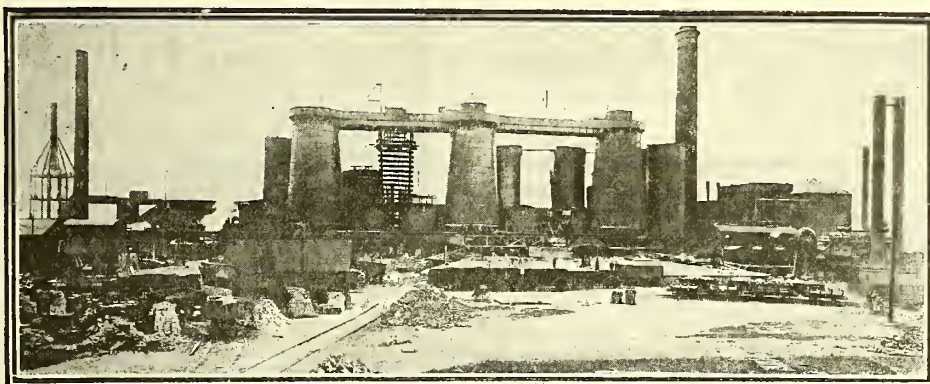
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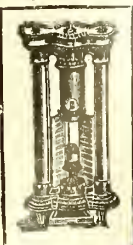
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GONE

to press! That is the answer the Publisher has had to give to belated inquirers for advertising space in *The Chemists' and Druggists' Diary*, 1912. The *Diary* is now in the hands of the printers and binders, and in a week or two the first consignment will be on the high seas en route for far-off countries, where overseas subscribers will welcome it as their best New Year's gift. They are keen business-men, and no *Diary* is of use to them unless they have it by January 1. The 1912 *Diary* contains, among other things, several thousand formulas from the pharmacopoeias of hospitals and infirmaries in Great Britain—a compilation which will be valuable to physicians and pharmacists in all parts of the world. There is also a special treatise on the treatment of dogs and poultry, and the business announcements are many and extremely interesting. Our aim in compiling the *Diary* is to make it increasingly helpful to business-men, and the more they use it the more helpful they will find it.

Summary of this Issue.

The more notable items only are dealt with.

Articles and Communications.

The work done in the Government laboratories in Egypt is described in an article on p. 49.

This time fifty years ago they were forecasting what the first British Pharmacopoeia would be (p. 64).

The ways of Rexall and Ucal are the subject of several letters in our correspondence columns (p. 62).

Brief biographies and portraits of a number of gentlemen connected with chemistry, medicine, and pharmacy who have received mayoral appointments will be found on pp. 38-39.

"Xrayser II." writes about hemlock as a State poison, remarks by the Rev. R. J. Campbell and the Bishop of London, pharmaceutical reciprocity, and Fife views on the Insurance Bill (p. 47).

New developments in the use of finely comminuted graphite with lubricating oils were described by Dr. Acheson at the Society of Chemical Industry meeting in London on Monday. His communication is epitomised on p. 54.

The B.P. ointments were the subject of the communication to the first evening meeting of the Pharmaceutical Society in London this week. In it the authors (Messrs. Guyer and Turner Ewing, of Edinburgh) criticised the bases, and indicated the directions in which some of the ointments might be improved (p. 51).

National Insurance Bill.

Clauses which interest chemists have been passed with amendments, but Mr. Glyn-Jones did not get his incorporated as to representation of chemists on the Advisory Committee or on the local Health Committees (p. 44).

Several questions in regard to dispensing under the Bill have been answered in Parliament. One of them was about the Pharmaceutical Society's tardiness in providing for the acceptance of Colonial pharmaceutical certificates (p. 45).

A deputation representing pharmacy and drug-store proprietors who are not registered under the Pharmacy Acts was received on Monday by the Attorney-General on behalf of the Chancellor of the Exchequer. The deputation, led by Mr. W. Hurods, want the *status quo* maintained, and the Attorney-General received their suggestions favourably (p. 45).

News of the Week.

"C.I.F." contracts have been defined by the House of Lords (p. 39).

Commercial travellers are not entitled to three months' notice (p. 39).

The new Franco-Japanese Commerce Convention is epitomised on p. 36.

A fair number of pharmacists have qualified to act as public analysts. See p. 35.

For another good selection of new and profitable goods to do business in see pp. 42-43.

The L.G.B. is interesting itself about Col. Cassal's Battersea analytical position (p. 34).

Names of chemists who have been elected town councillors are given on p. 34, p. 35, and p. 36.

The lens-cleaners case has been decided in favour of the Anglo-American Optical Co. (p. 40).

Madame Curie is to receive the 1911 Nobel Chemistry prize, value 7,773*l.* She denies that she is to marry her assistant, M. Langevin (p. 36).

Trade and Market Matters.

The Board of Trade Returns for October show a distinct revival all round, which suggests that the set-back of the previous month was quite temporary (p. 61).

There appears to be practically no genuine extract of male-fern obtainable on the London market, much of that offered being adulterated with castor oil (p. 61).

Market alterations comprise higher prices for santolin, tragacanth, eserine, Russian anise oil, senega, and copaiba. Articles which are cheaper comprise cream of tartar, hydrastis, lemon oil (new crop), quinine (second-hands), beechwood creosote, dynamite-glycerin, tartar emetic, cocoa-butter, and quicksilver "seconds" (p. 53).

ENGLISH AND WELSH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

Brevities.

For the first time in its long history the Society of Apothecaries took part in the Lord Mayor's show in London on Thursday.

During a gale which visited Lancaster on Sunday, the signboard of Mr. Marshall, chemist, Penny Street, was blown down and smashed.

The Lee Conservancy Board have issued a copy of the new by-laws for regulating the conveyance, loading, and unloading of petrol, carbide, and other dangerous goods on the river Lee, which came into operation on November 8.

Colwyn Bay chemists are to observe the following hours of business from now until April 30 next: Mondays, Tuesdays, and Thursdays, 8.30 A.M. to 7 P.M.; Wednesdays, 2.30 A.M. to 1 P.M. and 6 P.M. to 7.30 P.M.; Fridays, 3.30 A.M. to 8 P.M.; and Saturdays, 8.30 A.M. to 10 P.M.

A lively correspondence is going on in the "Daily News" between Mr. Thomas J. Barratt (of A. & F. Pears, Ltd.) and Mr. R. A. Cooper, M.P., about Pears' soap in U.S.A. Mr. Cooper says Pears pay the duty there. Mr. Barratt says the company has never paid a cent of the American duty, but that buyers there pay it.

The members of the Chemical Industry Club met as usual in the Criterion Restaurant for dinner on Monday evening at 6.15. Mr. E. Grant Hooper presided, and supporting him were, on the right, Dr. Acheson, Dr. Divers, Dr. Lewkowitsch, and Mr. W. F. Reid; on the left were Dr. Messel, Dr. H. E. Armstrong, Dr. Power, and Mr. D. Lloyd Howard. Others present were Mr. Thos. Morson (Hon. Secretary of the Club), Mr. Thomas Tyrer (Treasurer of the Society), Dr. M. O. Forster, Mr. R. Demuth (who had Mr. Robertson, F.R.C.V.S., the Cape Veterinary Adviser, with him), Dr. Keane, Mr. R. W. Grueff, Mr. F. Smith, Mr. F. Boehm, and Mr. Jos. F. Fuerst. The proceedings, apart from dining, were as usual brief and pithy, the Chairman's fine phrasing in proposing the guests' healths being the outstanding feature. After Dr. Acheson and Dr. Messel had replied, the members adjourned to Burlington House.

Christmas Holidays in the Wholesale Trade.

A number of well-known City wholesale houses have already been in communication with the Early Closing Association and the Board feel warranted in stating that the precedent of 1905 (the year when Christmas Day last fell on a Monday) will again widely be followed. In that year the Board published a list of wholesale houses closing from Friday evening till Wednesday morning. A similar list will again shortly be published.

Cancer Research.

The fourth scientific report of the Imperial Cancer Research Fund shows the stage which the inquiry has reached. Cancer is here held to be a personal affection, being a modification of the sufferers' own tissues and depending upon a tendency of some part of the organism to redundant growth. A portion of cancerous tissue transplanted to another part of the same body grows readily, while the attempt to graft it upon another individual is abortive or difficult. The cancerous overgrowth of tissue is usually, and perhaps exclusively, in some part of the body which has been subject to continuous irritation.

Analysts' Affairs.

Mr. Thos. Tickle, Ph.C., F.I.C., Exeter, has been appointed public analyst for Devonport.

The Islington medical officer (Dr. A. E. Harris) in his last quarterly report records that the drug samples taken for analysis were seven of lime water and five of Bland's pills. All were genuine.

In Westminster during October an olive-oil sample examined was found to contain not less than 85 per cent. of a foreign oil possessing the characters of arachis oil. Proceedings have been instituted against the vendor.

The Battersea Borough Council's Finance Committee report that they had received a communication from the

Local Government Board in regard to the Council's proposal to determine the engagement of Mr. C. E. Cassal as public analyst for the borough, asking for specific information as to any alternative arrangements which the Council are prepared to make. The committee have decided to reply to the effect that the Council desired to be free to consider as to the adoption of one of the following alternatives: (1) The re-appointment of Mr. Cassal, or (2) the engagement of another analyst at a lower rate of remuneration than at present, or (3) the establishment of the Council's own laboratory, or the appointment of a whole-time officer as analyst.

The Public Weal.

The following gentlemen have been appointed Justices under the Lunacy Act, 1890: Mr. R. Feaver Clarke, Ph.C., Daneholme, Pelham Road, Gravesend; Mr. J. S. Battle, Ph.C., of Lincoln; Mr. John Stainer, chemist and druggist, 59 Sandgate Road, Folkestone.

The Municipal Elections.

The following gentlemen were returned as members of their local town councils on November 1, in addition to those given in previous issues:

Mr. H. M. Black, Ph.C., 3 Windlesham Gardens, Brighton.
Mr. S. M. Northley, chemist and druggist, Turret House, Bodmin.

Mr. John Jones, chemist and druggist, 102 Cross Lane, Salford.

Mr. W. Wells, chemist and druggist, 17 Castle View, Clitheroe.

Mr. Walton Aston, Ph.C., Riversdale, Shelley Road, Worthing.

Mr. R. March, chemist and druggist, 5 Rutland Terrace, Stamford.

Mr. F. J. Harrison, chemist and druggist, Fisherton, Salisbury.

Mr. Percy Knott, chemist and druggist, 276 Blackburn Road, Bolton.

Mr. Robert Knowles, chemist and druggist, 29 The Terrace, Morecambe.

Mr. Stephen Stephens, chemist and druggist, Lingwood Road, Huddersfield.

Mr. Chas. Henry Waterhouse, wholesale druggist, Westfield, Ashton-under-Lyne.

Mr. Samborne Cook, chemist and druggist, Forest Grove, Mount Hooton Road, Nottingham.

Mr. Wm. B. Robinson, jun., of Messrs. Robinson & Sons, Ltd., lint and box manufacturers, Chesterfield.

Mr. A. E. Fox, chemist and druggist, 23 Parsons Street, Banbury, who was returned at the head of the poll.

Mr. Charles Jenkin, chemist and druggist, 86 Lower Bristol Road, Bath. Mr. Jenkin headed the poll in the Westmoreland Ward.

Mr. A. E. Ekins, Ph.C., F.I.C., Rusden, Lattimore Road, St. Albans. Mr. Ekins topped the poll for the fourth consecutive election.

Mr. F. C. Ashford, chemist and druggist, 1 St. Leonard's Road, Northampton. One of Mr. Ashford's two defeated opponents was Mr. J. Flinton Harris, Ph.C., who stood in the interests of the Independent Labour Party. Both Mr. Ashford and Mr. Harris studied for the Minor at the same time in London.

Mr. Benjamin John, J.P., chemist and druggist, 15 Old Bond Street, Bath, has been re-elected an Alderman on the local City Council.

Manchester Notes.

A group-photograph of thirteen Manchester members of the Incorporated Society of Pharmacy and Drug-store Proprietors, Ltd., appeared in the "Daily Dispatch," as representatives of that body on a visit to interview the Chancellor of the Exchequer on the Insurance Bill.

Photographers and chemists who take any interest in photography will no doubt be visiting the Manchester Athenæum this week, where the Manchester Amateur Photographic Society hold their annual exhibition. Some hundreds of excellent examples of photographic art are on view, and there is a very fine programme of lantern-lectures every evening at 8.

Mr. T. Swindells, chemist, of Monton, Manchester, who about a year ago wrote the series of articles on the men who were "the makers of Manchester," and which appeared in the "Manchester Evening Chronicle," has written another short series of articles on the "Historical Buildings in the Manchester District." They commenced on Thursday last, November 9, in the "Manchester Evening Chronicle."

Birmingham Notes.

Boots, Ltd., of King's Heath, have secured the single advertisement on the programmes of the Saturday night Parish Hall popular concerts.

Great activity is being displayed by the lady sanitary inspectors just now, owing to illnesses of various mild forms, with the result that chemists have become busy with household remedies, disinfectants, and similar commodities.

Pharmacy and, indeed, medicine also did badly at the poll on Wednesday, November 1. Councillor Poole was the last on the list for his ward; so was Mr. James Spilsbury, Ph.C. Sir Thomas Barclay displayed great energy during the elections.

The shop-windows have, with the advent of cold, windy, and wet weather, assumed their winter attitude, and cough and throat lozenges, protectors, and "thermos" bottles are the order of the day. One large establishment has an extensive show of diaries, reminding one of a new year. Several others still favour special brands of soap, and most have "own specialities" well displayed, suggesting that there is little room for "Rexall." It is rumoured that a mild form of the tied-house system is slowly but surely spreading in the Midland district. The system of lighting the windows has improved enormously in the city and suburban area.

Liverpool Notes.

Past-President Rymer-Young is still wondering how the conjurer did *that* trick at the chemists' "Smoker." The conjurer offered him 20% to hand over to the Pharmaceutical Benevolent Fund if he could do it. Mr. Young may be practising at Warrington.

There has been quite an epidemic of opening new businesses in Liverpool and district, both on the Liverpool and Wallasey sides of the Mersey. It is rumoured that still more businesses are to be opened. Evidently the advent of company cash-chemists has put new life into local pharmacists.

The "Smoker" held at the Bear's Paw Restaurant was a great success, and the treasurer of the Benevolent Fund should feel happy with the hearty response. Sir Edward Evans gave the Pharmaceutical Conference a good advertisement, and quite a number of Liverpool chemists who have previously abstained, purpose making with him a trip to Edinburgh next year.

From Various Courts.

At West Ham Police Court on November 6, James Edmonds (51), ginger-beer essence maker, and Thomas Mead (39), rabbit-dealer, both of Plaistow, were each fined 100%, or in default three months' imprisonment, for harbouring uncustomed saccharin.

At Derby Assizes on November 2, the charge against Kate Bunting (16), domestic servant (*C. & D.*, September 16, index folio 434), was reduced from felony to misdemeanour. Prisoner is to undergo three years' Borstal treatment for adding belladonna to a Yorkshire pudding intended to be eaten by her employers.

At the Glamorgan Assizes, held at Cardiff on November 7, Mr. Templar Edward Malins, chemist and druggist, sought an injunction to restrain Mr. William Spencer Fullylove, a former assistant and manager, from carrying on a dental business at Pontypool. Defendant had signed an agreement undertaking not to practise dentistry within the counties of Glamorgan and Monmouth for five years after leaving the employ of Mr. Malins. Counsel for defendant contended that the restriction was unreasonable, as Mr. Malins had closed his business in Newport, Mon. Judgment was given for the plaintiff, with costs.

Contracts.

Runcorn Urban Council.—Mr. J. H. Weston, chemist and druggist, Runcorn, for carbolic acid.

Northampton Town Council.—Mr. G. Ingle, chemist and druggist, Northampton, for an annual supply of chemicals and drugs to the borough hospitals.

The Worcester Guardians have transferred the appointment of district chemist from Mr. E. J. Kitson to Mr. D. G. Pout, of Barbourne, owing to a difficulty in obtaining medicine, due to Mr. Kitson not living on the premises

of his pharmacy. In the case complained of medicine was required every two hours. The agreement is that patients can obtain medicine at any time.

The Canterbury Guardians had before them on November 1 a letter from Bing & Sons, chemists, in regard to empties. Periodical accounts for empties had been rendered, and, in reply to a question, Messrs. Bing & Sons wrote to say that they cannot be expected to provide free packages for goods at contract rates. The Master said he had never previously paid for empties. It was also intimated that if Messrs. Bing & Sons' account was over six months old, it could not legally be paid. The Board decided to ask for full details of the account up to date.

Therapeutics, Pharmacology, and Microscopy.

The Institute of Chemistry has issued a list of 175 Fellows and 59 Associates of the Institute who have passed an examination in therapeutics, pharmacology, and microscopy, which is regarded by the Local Government Board as sufficient documentary evidence of the qualifications requisite for appointment as public analyst. We observe the following names of pharmacists in the lists:

Fellows.

C. T. Bennett, B.Sc., Wimbledon, London, S.W.
R. R. Bennett, B.Sc., University College Hospital, London.
R. A. Cripps, Hove.
Harold Deane, B.Sc., Long Melford, Suffolk.
J. A. Dewhurst, Halifax.
John Evans, Sheffield.
E. F. Harrison, B.Sc., London, W.C.
Miss Elsie S. Hooper, B.Sc., Southsea.
S. J. Lewis, Ph.D., B.Sc., Newington, London, S.E.
C. E. Male, Gateshead-on-Tyne.
C. E. Sage, Ashted, Surrey.
T. Tickle, B.Sc., Exeter.
T. E. Wallis, B.Sc., Tunbridge Wells.
J. M. Wilkie, B.Sc., West Bridgford, Notts.
Harry Wilson, Southampton.

Associates.

C. H. Hampshire, B.Sc., 17 Bloomsbury Square, London.
H. M. Harvey, East Ham, London, E.
G. F. Morrell, B.Sc., Sutton, Surrey.
W. R. Pratt, Louth, Lincs.
P. A. W. Self, B.Sc., Croydon.
Sydney Smith, Clapham, London, S.W.
R. W. Warriek, Welling, Kent.
W. A. Whatmough, B.Sc., 42 Cannon Street, London, E.C.

IRISH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

Previews.

Mr. John J. R. Kerr, Ph.C., Fermanagh Street, Clones, has been appointed a commissioner for taking oaths in the Supreme Courts for the county of Monaghan.

Mr. H. Macaulay, Ph.C., who for twelve years has carried on business at 169 Donegall Road, Belfast, intends selling out and emigrating to Canada, where he has numerous friends.

At the annual meeting of the Central Presbyterian Association Camera Club in Belfast on November 6, Mr. W. J. Rankin, Waring Street, was elected Hon. Secretary for the coming year.

In response to representations from the Dublin Industrial Development Association, the Governors of the Royal City of Dublin Hospital have arranged to give Irish goods a preference in future.

Dr. J. C. McWalter, Ph.C., received last week, by examination, the degree of LL.B. of the National University of Ireland. He has been elected Vice-President of the Dublin Physical Culture Society, and is named as a probable Lord Mayor of Dublin.

The Rathmines Fire-brigade was one night last week called to the pharmacy of Messrs. Hayes, Conyngham & Robinson, Ltd., Rathgar, to extinguish a slight fire which occurred owing to a defective hearth. The flames were put out by means of a hand-pump.

Writing in reply to a complaint of delay in sending medicines to the Castleblayney Union, Messrs. Boileau &

Boyd, the contractors, state that they are generally overwhelmed with orders during the first month of each quarter, but they do their best to despatch supplies promptly.

Messrs. Boileau & Boyd, Ltd., Dublin, have been appointed contractors for the supply of drugs to the Governors of Dr. Steven's Hospital, Dublin. The contract for the supply of lint, tow, etc., to the same institution has been secured by the Medical Supply Association, 31 South Anne Street, Dublin.

The Tyrone County Council has unanimously refused an application by Mr. R. F. Blake, Belfast, for an increase of salary on the ground that it is only a year since the appointment was made. The Local Government Board has approved the appointment of Mr. Blake as analyst of Antrim Union at a salary of 20*l.* per annum.

At the County Court, Belfast, on November 2, Robert D. Montgomery, Main Street, Bangor, newspaper-proprietor, sued Jane Cunningham, 201 Newtownard Road, Belfast, registered druggist, to recover 5*l.* 4*s.* for one year's advertising in the "North Down Herald." The defence was that the advertisement was ordered for one week only. Judge Carrigan dismissed the action.

At the Senate of the National University, held in Cork on October 31, the degree of B.Sc. was conferred on Miss Bessie MacIlwraith Blair, daughter of Mr. R. Blair, M.C.P.S.I., of John Blair & Son, chemists, Cork. Miss Blair was educated at the High School for Girls, Cork, and the Royal College of Science, Dublin. She had a distinguished scholastic career, taking prizes in botany, geology, and zoology, and was appointed science mistress in the Royal School (girls'), Dungannon.

SCOTTISH NEWS.

When sending newspapers to the Editor please mark the items of new *to* which you desire to call his attention.

Brevities.

Most of the Leith schools are closed owing to the prevalence of diphtheria in the town.

"Roots, Rash Chemists," is the name of a play appearing in the Cowdenbeath Empire this week.

Mr. Thomas Wilson, Ph.C., Burntisland, has been elected President of the Burntisland P.S.A.

The personal estate of the late William Henderson, chemist and druggist, Kirn, amounted to 373*l.*

The chemists in Pitlochry (Mr. R. Gellatly and Mr. W. Robertson) are now closing on the local half-holiday.

Mr. Ed. Gordon, chemist and druggist, Kelty, has been elected S.E. of the Royal Arch Chapter Prudence (No. 343).

Chemist Councillors.

The following chemists were successful at the recent municipal elections in Scotland: Mr. Walter Davidson, Blairgowrie; Mr. Andrew G. Laidlaw, Lockerbie; Mr. John Macintyre, North Berwick; Mr. Roderick Smith, Stornoway; Mr. James McLagan, Grangemouth; Mr. M. McLean, Kinghorn; Mr. W. S. Taylor, Inverurie; Mr. William Dow, Kinross; and Mr. John Andrew, Cumnock.

Glasgow and the West.

The Dalton Remedy Co., botanical herbalists, have opened a shop in Cowcaddens, Glasgow.

The premises in New City Road which used to be occupied by Cheap & Good, Ltd., described as "chemists," have now been converted into a "lightning photo studio."

Mr. Thomas B. Macfarlane, dispensing chemist, after being over forty-eight years in business on his own account at 17 Main Street, Wishaw, is retiring, and will reside in London.

Much damage was caused to property in Glasgow during the recent storm. The window of the Health Food Supply Co. in New City Road was blown in. A plate-glass window in the Belmont branch of Messrs. Frazer & Green, Ltd., was shattered and the goods much damaged.

FRENCH NEWS.

From the "C. & D." Paris Correspondent.)

THE HOME OF THE ALCHEMIST.—The former residence of Nicolas Flamel, the famous fourteenth-century alchemist, still exists at Paris (41 Rue de Montmorency). The upper portion is now an hotel, the lower part a restaurant. In this house, where his devices and initials may still be traced on the stone, he is said to have transmuted mercury into silver on January 17, 1382, and into gold on April 25 following.

A ROMANCE OF THE "YELLOW PRESS."—During the past few days considerable interest has been aroused in scientific and other circles in Paris through the prominence given by the more sensational newspapers to a supposed romance between Mme. Curie and M. Langevin, Professor of Physics and Chemistry at the College of France. It was even stated that the lady had "carried off" the Professor from his family circle. Colour was given to the story by the fact that both had been away, though in far-removed directions, during the long vacation, and also that M. Langevin has had some differences with his wife. Mme. Curie was at Brussels last week, in company with several other prominent French scientists, as a delegate to the scientific council held there, under the auspices of M. Solvay, for the purpose of discussing a series of debatable points connected with modern theories regarding physics. It will be remembered that Mme. Curie, who is forty-two years of age, was the co-discoverer of radium with her late husband, and is Professor of Chemistry at the Paris Sorbonne. Professor Langevin was M. Curie's pupil, and has acted as assistant to Mme. Curie. These facts and those already mentioned are but slight grounds on which to start a scandal, which certainly gives grievous pain to the parties concerned; and the responsible Paris newspapers are unanimous in condemning a statement in connection with a name standing so high in the annals of science, which all Frenchmen should unite to honour and revere. The journalist who wrote the libel has since made an abject apology to Mme. Curie, who has issued a dignified statement to the Press, in which she states that although she will not prosecute the offender this time, if such slanders are repeated she will ask as damages considerable sums to be employed in the interest of science. This ending coincides with the announcement that this year's Nobel prize for chemistry is awarded to this gifted lady. The prize is worth 194,330*f.* (7,773*l.*).

FRANCO-JAPANESE TREATY.—A new convention of commerce between France and Japan was signed in Paris on August 19. By this convention France and Japan agree to extend to each other the most-favoured-nation treatment. As regards import duties and the rates of duty contained in the new Japanese "general" tariff these are reduced in respect of certain classes of goods in favour of French products. These include:

	General Tariff per 100 kin.	Reduced rates conceded to France per 100 kin.
	Yens.	Yens.
Olive-oil:		
Other than in can or barrel ..	9.50	6.00
Soaps:		
1. Perfumed	28.60	18.00
2. Other	5.70	2.90
Perfumed oils, fats and waxes and preparations of perfumed oil, fat, or wax	78.00	35.00
Perfumed waters:		
1. Perfumed vinegars	90.00	{ 30.00 50.00
2. Other		
Tooth-powders, tooth-washes, toilet-powders, and other prepared perfumeries (n.o.p.*)	50 % <i>ad val.</i>	25 % <i>ad val.</i>

* Not otherwise provided for.

In virtue of the most-favoured-nation clause of the Anglo-Japanese treaty, the above reductions are also applicable to merchandise from the United Kingdom.

SOUTH AFRICAN NEWS.

(From "C. & D." Correspondents.)

*The Chemist and Druggist" is regularly supplied by order to all the members of the seven Societies and Association of Chemists in British South Africa, as well as to other chemists in business there.

Cape Province.

THE BABY AND THE TABLETS.—An eighteen months' old baby of Port Elizabeth died on October 13 through eating nerve-tablets. The parents went out, leaving the child with a servant, who gave the child the bottle of tablets to play with, and on their return the child was dead.

HERMANUS J. STEYN, known as "Doctor Steyn," has, at Kimberley, been committed for trial on a charge of practising as a medical man without being licensed. The accused is the same person whose cancer-cure was the subject of a note in the *C. & D.*, November 4, index folio 670.

DR. SCOTT, Acting District Surgeon, Lady Frere, was before the Hon. Victor Sampson, Queen's Town Circuit Court, on October 16, charged with assault on a woman by branding her forehead with a red-hot hammer. He pleaded guilty to common assault, and was fined 50*l.*, agreeing to pay the woman the sum of 10*l.* as compensation. The woman was not permanently injured.

CAPE CUSTOMS DELAYS.—The Chamber of Commerce, Cape Town, purpose making representations to the Controller of Customs in connection with the delays that constantly occur at the Examining Offices of Customs, Cape Town Docks. Recently a shipping clerk was detained from 11.40 A.M. till 4.30 P.M., and the Chamber states that this is by no means an isolated case. There is little doubt, now that the Union Controller of Customs, Mr. Geo. Mayston, is back at his desk, this state of things will be remedied.

Natal.

BUSINESS CHANGE.—Mr. J. W. Cooper, of Bedford, Cape Colony, has taken over the business of the late Mr. C. E. Forth in Musgrave Road, Durban.

DEATH.—Mr. O. Bertelsen, chemist, of Eshowe, Zululand, died at Capetown on October 1. He was for some years a member of the Pharmaceutical Society.

EXAMINATIONS.—At the quarterly Final chemists' examination held in Maritzburg on October 11, two candidates presented themselves, both of whom failed. The examination is now held at the Technical Institute, and takes place the day before the quarterly meeting of the Board, instead of on the same day.

A CURIOUS ACCIDENT.—An Indian entered Mr. Fleming Johnston's pharmacy, Durban, on October 8, having a beer-bottle to be filled with nitric acid. Mr. Ricketts, who was serving the acid, proceeded to pour it into the bottle, when an explosion took place, destroying the scales on which the acid was being weighed. Mr. Ricketts himself had a narrow escape, his face being bespattered with acid, but his eyes escaped injury. The cause of the explosion is unknown, as the bottle was blown to atoms. The Indian made tracks for home, went to bed, and called in a doctor, his complaint being that he felt "ill all over."

Rhodesia.

MR. C. F. CHASE, representative of the Chamberlain Medicine Co., Des Moines, Iowa, U.S.A., died at Bulawayo on October 12 as a result of an operation. He was one of the best-known men on the road in South Africa, and his sudden death came as a blow to his many business and personal friends. Messrs. Smart & Copley, the distributing agents of the company, telegraphed the news to Messrs. Petersen, Ltd., the general agents at Cape Town. Mrs. Chase, who was located at Cape Town, went north at once. Writing under date October 18, our Cape correspondent says: "Since the days of Pears and Martin probably no more popular travelling man ever set foot on South African soil than Chase. The last time I saw him was at Port Elizabeth, in company with Messrs. Gardner and Dixon, when he appeared in the best of health, and many good Southern yarns he told. He could

see the humorous side of most things. He had his hands in his pockets often for the poor and the hopeless, and the love for the generous dead will remain."

Transvaal.

NEW HOSPITAL EQUIPMENT.—Mr. L. E. West, of Messrs. Allen & Hanburys, Ltd., reports that his firm have been successful in securing the order for the supply of equipment, surgical instruments, etc., for the new pavilions now in course of erection at Johannesburg Hospital.

AUSTRALASIAN NEWS.

"The Chemist and Druggist" is regularly supplied by order to all the members of nine Societies of Chemists in Australia and New Zealand, as well as to other Chemists in business there.

New South Wales.

THE AUSTRALIAN EUCALYPTUS OIL DISTILLING CO., LTD., have been registered with a capital of 30,000*l.* in 1*l.* shares with the object of acquiring the business of the Australian Eucalyptus Oil Co., carried on at Long Bay by Wm. Tighe Farrell.

New Zealand.

THE NUMBER of chemists' and herbalists' shops in New Zealand for the year ending March 1911, according to the annual report of the Department of Labour, was 412; the number of employers was 402, including six females; 544 males and four females were employed; and the total wages paid was 39,097*l.*

A UNIVERSAL SATURDAY HALF-HOLIDAY is proposed in a Bill brought forward by Mr. George Laurensen (member for Lyttelton). Pharmacies would be included; only fishmongers, confectioners, fruiterers, refreshment-room keepers, bakers, and bookstall-keepers are to be exempted. No provision is made for reopening in the evening, and the shops have to close at 12 noon.

Queensland.

THE BRITISH MEDICAL ASSOCIATION at a meeting held on September 1 discussed the Opticians Bill. The opinion of the meeting was that, although it would not recommend that opticians be debarred by law from supplying glasses without a medical prescription, it was considered inexpedient to legally entitle opticians to do so except in cases of presbyopia with healthy eyes.

Victoria.

LYSOL-POISONING.—At the September meeting of the Pharmacy Board a letter was read from the New South Wales Board stating that it was reported that ninety-six persons had died from lysol-poisoning and asking to be supplied with further details. Letters had been received from the importers of lysol stating that they are willing to restrict the sale to the original package in which lysol is imported. This met with the approval of the Board. The Chief Secretary and the Public Health Department, who had been consulted, thought the offer should be accepted, as it would have the effect of further restricting the indiscriminate sale of lysol in small quantities.

RECIPROCITY WITH NEW ZEALAND.—At the same meeting of the Pharmacy Board of Victoria was received a letter from the New Zealand Board, answering the questions submitted to them when application was made for reciprocity. The Board is empowered to accept certain specified examinations and other examinations at its discretion. The question of accepting the Preliminary examination of another State has not arisen, but it is not at all unlikely that the certificate would be rejected. An apprenticeship served outside New Zealand could be rejected, but in a recent case the Board decided to accept such an apprenticeship on being satisfied that an apprenticeship had been served and that the spirit of the law had been complied with. In New Zealand it is not compulsory for the Preliminary examination to precede apprenticeship, nor is a curriculum or course of education compulsory under the Pharmacy Act. The Victorian Board, after much discussion, decided to postpone the matter for further consideration.

Mayoral Elections.

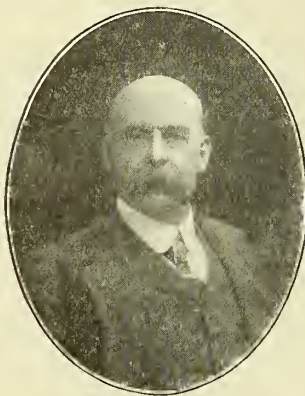
THURSDAY, November 9, is the date upon which the cities and towns of England and Wales elect their Lord Mayors or Mayors. This year a fair number of the gentlemen who have been honoured by their fellow-citizens are connected with chemical industry, pharmacy, and

1905. He has previously filled the Mayoral chair (in 1904-5), and is Chairman of the Assessment Committee. Other offices which he holds are Chairman of the Board of Guardians, Justice of the Peace for the city, and a Visiting Justice under the Lunacy Act. He has long been associated with the Oddfellows (Manchester Unity), and was Grand Master in 1890.

Councillor Edward Cardwell, J.P., retired chemist and druggist, who has been elected Mayor of Lancaster, is a



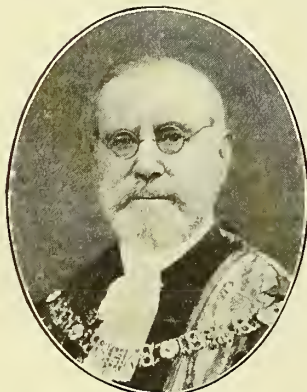
MR. A. S. CAMPKIN.



COL. W. F. WILBY.



MR. F. T. REYNOLDS.



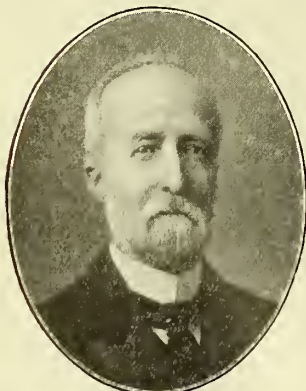
SIR T. B. CROSBY, M.D.



MR. H. POTTER.



MR. C. H. WATERHOUSE.



MR. E. CARDWELL.



MR. S. W. ROYLE.



MR. L. PRIESTLEY.

medicine, and we give brief biographies and portraits of them, as far as possible this week :

Alderman A. Sidney Campkin, J.P., chemist and druggist, the new Mayor of Cambridge, is best known throughout the drug-trade as a member of the Council of the Pharmaceutical Society. He has, however, been associated with the public life of Cambridge for thirty-five years, entering the Town Council in 1884, and becoming an alderman in

Lancastrian, and also served his apprenticeship in his native town with the late Mr. John Lever Whimpry, with whom he later entered into partnership. He was first elected to the Town Council in 1900. Mr. Cardwell is a prominent Wesleyan and temperance worker. He was Governor of the St. Anne's Schools for nearly twenty years. He has travelled much abroad and has delivered many illustrated lectures thereon.

Sir Thomas Boor Crosby, M.D., F.R.C.S., who has been

elected Lord Mayor of London, is the first medical practitioner who has held this, the premier office of the kind in the British Empire, although there is a continuous roll going back seven centuries. Sir Thomas has long been in practice in Fenchurch Street. He received his medical education at St. Thomas's Hospital Medical School, and became a Licentiate of the Society of Apothecaries in 1852 and a member of the Royal College of Surgeons in the same year. He passed the Fellowship examination of the College in 1860, and simultaneously became an M.D. of St. Andrew's University. He is a member of the Senate of the University of London, and was formerly President of the Hunterian Society. He was knighted in 1907. He is associated in his practice at 15 Gordon Square and 136 Fenchurch Street with his son, Dr. Herbert Thomas Crosby, who graduated in arts and medicine at Cambridge University.

Major C. E. Dyson, V.D., J.P., who has been re-elected Mayor of Flint, is manager of the Flint Works of the United Alkali Co., Ltd., at Flint.

Alderman J. Edgar, J.P., Mayor of Deal, is the head of Messrs. J. Edgar & Co., The Laboratory, Golf Road, Deal, the proprietors of the well-known proprietary, Edgar's Eucalyptus. Mr. Edgar first became member of the local Town Council in 1897. He was made a Justice of the Peace for the borough in 1906, and for the county of Kent this year. In politics he is a Liberal.

Alderman Henry Potter, J.P., who has been re-elected Mayor of Stepney, is senior director of Messrs. Potter & Clarke, Ltd., wholesale druggists, which firm celebrates its centenary next year. This is Mr. Potter's third year of office, the first being in 1903-4, and the second has just expired. We gave his portrait a year ago, and he has not changed since. The latest portrait of him is on a cinematograph-film, which shows him and General Baden-Powell inspecting the Reserve of Veterans at the Tower of London.

Alderman Lawrence Priestley, J.P., pharmaceutical chemist, the new Mayor of Newark, is a native of Nottingham, and is in business in Cantergate, Newark. He was elected to the Town Council in 1899, was placed on the Commission of the Peace for Newark in 1907, and became an Alderman last May. His principal public interest is education. He has been Chairman of the Borough Education Committee for the past six years, and is a Manager of the School of Science and Art. Mr. Priestley was Chairman of the committees concerned in the erection of an elementary school, costing 9,000*l.*, and of a girls' high school. He was mainly instrumental in the inauguration of an evening continuation school opened last September, which is the largest in the county outside Nottingham.

Councillor Fred T. Reynolds, Mayor of Southport, is a Bostonian and a principal of the firm of Millward & Co., indigo and oil importers and drysalts, Manchester. He only entered the Council last year. Mr. Reynolds is the author of a book of travels "Across Three Oceans and Through Many Lands," and his photographs in India are used to illustrate Mark Twain's "Following the Equator."

Mr. S. W. Royce, of Messrs. S. W. Royce & Co., Manchester, who is now Lord Mayor of Manchester, has been connected with the chemical, mineral, and metal trades for nearly forty years. He is a Vice-President of the Manchester Chamber of Commerce and a director of the Manchester Ship Canal Co. Mr. Royce was a member of the Old Withington Local Board, and was a member of the Manchester City Council from 1894 to 1897 and since 1907. He contested the Gorton Parliamentary Division in the Conservative interest in 1906. Mr. Royce strove strenuously to get the Royal Commission on Canals appointed, and also to bring about a change in the patent laws.

Councillor Charles H. Waterhouse, J.P., who has been re-elected to fill the Mayoral Chair of Ashton-under-Lyne for a second year, is the head of Messrs. J. Waterhouse & Co., wholesale druggists. His father, who founded the firm, had also undertaken mayoral duties, and his mother again fulfilled the duties of Mayoress during the Coronation year. However, Mr. Waterhouse is to be married in January next to Miss Aliee Bennett, daughter of Mr. and Mrs. Bennett, Dane House, Audenshaw. He has been organist for twenty-one years at the Red Hall Methodist Church.

Colonel W. F. Wyley, J.P., chairman and managing director of Messrs. Wyley, Ltd., manufacturing chemists, Coventry, is Mayor of Coventry for the ensuing year. Colonel Wyley is the first citizen elected from outside the Council since the days of reformed Corporations, as he comes back to the Council after twenty-three years. Colonel Wyley is a son of the late Mr. John Wyley. He was educated at Rugby, and was for some time at De Haens, in Hanover, and also in France. He also studied for a year under Professors Atfield, Redwood, and Tilden at the

School of Pharmacy, Bloomsbury Square, London. Colonel Wyley has large local commercial interests besides pharmacy; he is chairman of the Rover Co., Ltd., and a director of the London City and Midland Bank. He is President of the Coventry Chamber of Commerce, a Deputy-Lieutenant of Warwickshire. His connection with the Volunteer movement extended over thirty years, and he became Colonel-Commandant of the 2nd V.B. Royal Warwickshire Regiment. He is now Vice-Chairman of the Territorial Association. His other public services include being a Lay Canon and Treasurer of St. Michael's Collegiate Church, Governor of Coventry Grammar School, and trustee of many Coventry charities. He is also a Justice of the Peace for Coventry and the County of Warwick.

LEGAL REPORTS.

TRADE LAW.

Lucca Oil.—At Marlborough Street Police Court, London, on November 6, Ferdinand Gonnari, Wardour Street, Soho, was, under Section 6 of the Sale of Food and Drugs Act, 1875, fined 40*s.*, with 6*s.* costs, for selling Lucca oil, a food, which was adulterated with 20 per cent. of oil other than olive oil. Witnesses for the defence said the trade distinguished between Lucca and olive oil, regarding Lucca oil as something different. Mr. H. Parsons, for the defence, said that there are three places of the name of Lucca—one in Italy, another in Sicily, and a third in Jamaica—and the name of Lucca, with regard to oil, is more or less on a par with "Cheddar" as applied to cheese. After the conviction he intimated that possibly there would be an appeal.

A Macaura Case.—The special-jury case of *Wade v. Macaura* was mentioned to Mr. Justice Darling in the King's Bench Division on Friday, November 3. Counsel for the defendant said the action was one for alleged wrongful dismissal. The plaintiff came to London from South Africa as the defendant's manager, and the defendant had pleaded justification. The defendant was now in Paris. Counsel produced a doctor's certificate which, he said, would show that it was impossible for his client to be present to give evidence for some time. The certificate having been handed in, Mr. Justice Darling said the defendant appeared to be suffering from influenza. Counsel for the plaintiff said the defendant was known as Dr. Macaura, and he was the inventor of "Pulsocon." Mr. Justice Darling directed that the case should not be in the list before Monday, November 20.

Commercial Travellers' Notice.—In the City of London Court last week, before Judge Rentoul, K.C., and a jury, a case of trade importance was decided. Mr. Robert H. Truman, commercial traveller, 12 Terrick Road, Wood Green, N., sued Messrs. J. R. Smith & Co., wholesale manufacturers, St. Paul's Churchward, for 50*l.* damages for wrongful dismissal. Mr. Blackwell, for the plaintiff, said he claimed three months' salary at 2*l.* a week, in lieu of notice, his case being that he could not be dismissed with a week's notice, as the defendants had sought to do. He was a commercial traveller of twenty-five years' experience, and in July last was engaged by defendants at a salary of 2*l.* a week and 2½ per cent. commission on all business done. On September 16 he was dismissed and given a week's salary in lieu of notice. He now brought this action to establish the right of commercial travellers to three months' salary. Mr. Bromley Eames, defendants' counsel, said he could give definite evidence showing that commercial travellers could be dismissed with a week's notice in every branch of commerce unless there was an agreement to the contrary. Many decisions had been given to that effect. The jury stopped the case and found for the defendants, with costs.

"C.I.F." Contract.—The case of *Biddell Bros. v. the E. Clemens Hirst Co.* came before the House of Lords last week on appeal. The hearing and decision in favour of the company by Mr. Justice Hamilton was reported in the *C. & D.*, 1910, II., 681, and the reversal by the Court of Appeal in the *C. & D.*, 1911, I., 463. A sale of hops on c.i.f. terms, "net cash," was the subject. The House of Lords now allowed the company's appeal, the Lord Chancellor remarking in the course of his judgment: "This contract is what is known as a cost, insurance, and freight, or c.i.f., contract, and under it the buyer was to pay cash. But when? The contract does not say. The respondents say on the physical delivery and acceptance of the goods when they have come to England. Section 23 of the Sale of Goods Act, 1893, says in effect that unless otherwise agreed payment must be made on delivery—that is, on giving possession of the goods. It does not say what is

meant by delivery. Accordingly, we have to supply from the general law the answer to that question. The question is when is there delivery of goods on board ship? That may be quite different from delivery of goods on shore. The answer is that delivery of the bill of lading when goods are at sea may be treated as delivery of the goods themselves. That is so old and so well established that it is unnecessary to refer to authorities on the subject. In my judgment it is wrong to say, upon this contract, that the vendor must defer tendering the bill of lading until the ship has arrived in this country, and still more wrong to say that he must wait until the goods are landed and examination made by the buyer.

The Hertz Cases.—In the City of London Court on November 3, before Judge Lumley Smith, K.C., the cases of Hudson & Robinson v. Hertz and H. & R. Process Engraving Co., Ltd., v. Hertz, referred to in the *C. & D.* last week, were again before the Court. In the first case the plaintiffs, 21 Camomile Street, had obtained judgment against Hertz & Co., drug merchants, 9 Mincing Lane, E.C., for 1l. 8s. 6d., and the second defendants, 4 Sussex Place, Leadenhall Street, had recovered judgment for 1l. 5s. 6d., both for goods sold. As plaintiffs in each case wanted to amend the proceedings for the purpose of taking out judgment summonses, they now applied to amend by describing the defendant as Jacob Hertz instead of Hertz & Co. The Judge said he had intended to make the orders as asked, but he had directed the matter to come up again because a letter was sent to the Court by the Halifax Co., Ltd., to say that the defendant Hertz was their manager. A representative of the H. & R. Process Engraving Co., Ltd., told the Court that he took the order from Hertz personally. Hertz had half-a-dozen names on his door-plate. The Judge said that judgment had been given against Hertz & Co. That was the name Hertz traded under. Why should it be altered? Plaintiffs' representative said they wanted it for the purpose of issuing execution. The Judge said that the plaintiffs could do that against Hertz & Co. Hudson & Robinson's representative said they supplied electros for advertising purposes to Hertz & Co. They wanted the judgment amended so that it would be against Hertz only. The Judge asked how many Hertz's there were. Plaintiffs' representative replied only one. The Judge said he would not make any alteration. Plaintiffs must try to get the goods of Hertz & Co. and so satisfy their judgment. The collector to the H. & R. Process Co. said he had been to Mr. Hertz for their account, and he had promised payment. He had issued execution, and the return was "No goods belonging to Hertz & Co." The Judge said a judgment summons could be taken out against Mr. Hertz, and he could be described as "trading as Hertz & Co."

High Court Cases.

Unless when otherwise stated these cases have been heard in the High Court of Justice, London.

KHOOSH BITTERS.

In the Chancery Division, before Mr. Justice Parker, on Friday, November 3, in the case of W. H. Chaplin & Co., Ltd., v. Farrow's Bank, Ltd., Mr. Mark Romer, K.C. (with him Mr. Maugham), said he had a motion on behalf of the plaintiffs for an injunction to restrain the defendants from selling, or offering for sale, certain bitters as Khoosh Bitters which were not the plaintiffs' manufacture, and infringing the trade-mark of the plaintiffs. After Mr. Romer concluded his address to the Court, Mr. Hunter Gray (for the defendants) said that the defendants had the bitters by way of security, and the defendants were not aware at the present time whether they were spurious or otherwise. Eventually the defendants gave an undertaking not to sell the goods as Khoosh Bitters, or in any manner to pass them as such, and to place distinctive labels on the bottles as approved by the plaintiffs. His Lordship hinted that he should think an arrangement of this sort would make an end of the matter.

A SURGICAL-INSTRUMENTS BUSINESS.

In the Court of Appeal on Monday, November 6, Lords Justices Vaughan Williams, Buckley, and Kennedy had before them the application of the plaintiff in an issue, Corfield v. King Farlow, on appeal from the judgment of Mr. Justice Scrutton, reported in the *C. & D.*, March 25, index folio 428. Mr. Corfield had sought to recover from Mr. King Farlow, who had acted as receiver of the business of Evans & Wormull, surgical-instrument makers and repairers, Stamford Street, Blackfriars Road, S.E., the sum of 130l. 0s. 10d., stated to be book debts of the business due to him in the capacity of trustee under

a deed of assignment, but Mr. Justice Scrutton decided in favour of Mr. King Farlow. Mr. Corfield now appealed on the ground that Mr. Justice Scrutton was wrong in law. After hearing the arguments on both sides, Lord Justice Vaughan Williams said the Court was compelled to decide the case strictly on law, and the law was on the side of the respondent to the appeal. He delivered judgment dismissing the appeal with costs, but under the circumstances he did it with reluctance. Lords Justices Buckley and Kennedy concurred, the latter referring to the hardship on Mr. Corfield as well possibly as the creditors, as they had to advance money for the performance of the contracts of the business.

A TRADE-MARK DEADLOCK.

Mr. Justice Warrington, in the Chancery Division on Saturday, November 4, heard an application by Messrs. Piesse & Lubin for an order directing the Registrar of Trade-marks to proceed with an application filed by them for the registration of the mark "Cœur de Jeannette" for scents.

Mr. H. Terrell, K.C., M.P., for the applicants, stated that some time ago (*C. & D.*, June 3, 1911, p. 825) Messrs. Javal & Parquet made a similar application in respect of the same mark, which was opposed by Messrs. Piesse & Lubin on the ground that they had used the mark for the same class of goods for many years past. Messrs. Javal & Parquet also said they had used it as an unregistered trade-mark. His Lordship on that occasion ordered the application to stand over, and directed Messrs. Piesse & Lubin to apply to have their mark registered so that they could both come before him and he could give a final decision as to which of the firms should have this unregistered mark registered. Messrs. Piesse & Lubin accordingly filed their application, and it came before the Assistant Registrar, who refused to accept it until his Lordship had decided Messrs. Javal & Parquet's application. They had therefore come to a deadlock, and he (counsel) suggested that the proper course for the Registrar to adopt would be to accept the application, so as to bring Messrs. Javal & Parquet before him in opposition.

Mr. Sargent, on behalf of the Registrar, said the difficulty was that he could not proceed to advertise until he had accepted the application, and he wanted the Court to decide whether he should accept or not. In his (counsel's) opinion the best course would be for Messrs. Piesse & Lubin to appeal from the refusal of the Registrar to accept, and for the Court to direct that notice of appeal be given to Messrs. Javal & Parquet.

His Lordship thought Mr. Sargent should advise the Registrar to accept the application, advertise it, bring in Messrs. Javal & Parquet, and then refer the matter to the Court if he was not in a position to decide it.

Mr. Sargent agreed, and no order was made on the present application.

SPECTACLE LENS CLEANERS.

The hearing by Mr. Justice Swinfen Eady of the action by Jones Bros., Ltd., against the Anglo-American Optical Co. for an injunction to restrain them from manufacturing, using, or selling cut-pile lens cloths, or spectacle and eye-glass cleaners, alleged to be got up like the plaintiffs', was resumed on November 8.

Further evidence for the defendants was given by Mr. Wm. Hirst, manager of the Littleborough Dye Works, a branch of the English Velvet and Cord Dyers' Association, Ltd., this closing their evidence, and Mr. Owen Thompson, on their behalf, submitted that the evidence showed no fraudulent passing-off and no intention to deceive, and that the plaintiffs had not shown that they were entitled to the monopoly which they claimed for undistinctive features.

Mr. Walter, K.C., for the plaintiff company, pointed out that no evidence had been called on behalf of the defendants to contradict the plaintiffs' case that the get-up of the plaintiffs' goods was distinctive of their wares.

His Lordship asked counsel whether he must not distinguish between the article itself and the get-up?

Mr. Walter contended that in law there is no difference between the get-up as applied to the articles themselves and that in which they are wrapped up.

His Lordship: But it may be that this buff velveteen is a substance that anybody can buy and sell and in any size. Except the size, is there any other feature?

Mr. Walter said there was a combination of features: size, printing, and border.

His Lordship, in giving judgment, said he was satisfied that except in the case of the colour of the article in question there had been no intentional copying by the defendants. The inference he drew was that a piece of "Selvyt" was sent as a pattern for colour by the defendants. But with regard to the material, which was velveteen, it was a common stock article that might be bought in the piece, and had not been in any way dyed to resemble the plaintiffs' "Selvyt." He was satisfied that no instructions were given to copy the "Selvyt." Though it might well be that a person knowing only the "Selvyt," as soon as he saw a piece of a similar size and colour would immediately jump to the conclusion that it was "Selvyt," still the defendants were making and selling an article they were certainly entitled to make and sell; and in his Lordship's judgment there was none of the ordinary features of copying or of trying to make one resemble the other. If he were to hold that the defendants had exceeded what they were entitled to do he would be conferring a monopoly on the plaintiffs. The articles were supplied to opticians, and he could not think they would be deceived. The defendants were not subject to be restrained in this action in respect of what they had done; and the action failed as a passing-off action and must be dismissed with costs.

BANKRUPTCY REPORTS.

Re Charles Percival Sisley, late of 241 Shaftesbury Avenue, London, W.C., Vendor of Patent Medicines.—An application for an order of discharge was made on November 7 to Mr. Registrar Linklater at the London Bankruptcy Court on behalf of this bankrupt, who failed in July 1910. Mr. Walter Boyle, Official Receiver, reported that the liabilities amounted to 305*l.* 13*s.* 11*d.*, and the assets had realised 40*l.* 12*s.* 1*d.* No dividend could be declared. His Honour suspended the discharge for two years.

Re W. Desmond Noble, 2 Well Street, Cable Street, E., and 165 Whitecross Street, E.C., Chemist and Druggist.—A sitting of the London Bankruptcy Court was held on November 3, before Mr. Registrar Linklater, for the public examination of this debtor, who returns his liabilities 362*l.* 1*s.* 6*d.* and assets valued at 45*l.* Particulars were given in the *C. & D.*, September 30, index folio 502. The Official Receiver now rehearsed these, and upon his application, counsel consenting on behalf of the petitioning creditors, the public examination was adjourned until next March to allow the bankrupt's appeal in his National Cash Register case (*C. & D.*, October 21, index folio 601) to be heard in the meantime.

Re The Pax Trading Co., 30 Gray's Inn Road, London, W.C., Vendors of Patent Medicines.—An application for an order of discharge was made on November 3 to Mr. Registrar Linklater at the London Bankruptcy Court on behalf of John Clement Phillips, who traded in partnership with Edward Wm. Lewis and Henry Dawes Harrod as above. Mr. G. W. Chapman, Official Receiver, stated that the firm failed on September 1909, with liabilities 323*l.* 4*s.* 2*d.*; the assets were valued at 26*l.* 5*s.*, but they only realised 1*l.* 4*s.* 10*d.*, the balance having been absorbed by a claim for distrainable rent. The applicant was admitted a solicitor in 1904. In September 1908 he became a partner in the Pax Trading Co., which was formed for the purpose of putting on the market two patent medicines—viz., Janossy's Hungarian grape salts and Pax pills for dyspeptics. The capital of the firm was 110*l.*, provided by his partners; the trading was unsuccessful, and bankruptcy proceedings were instituted by a judgment creditor. The applicant and his partners were all insolvent when they started business, and they had none of them been in a position to pay their debts, either individually or collectively, at any time since then. His Honour upheld the report and suspended the order of discharge for two years.

Re Owen Prickett, 4A Commercial Street, Llantrisant, Glamorgan, Chemist and Druggist.—This debtor filed his own petition, the accounts showing liabilities amounting to 413*l.* 18*s.* 11*d.* and net assets estimated to produce 70*l.* 7*s.* 6*d.*, leaving a deficiency of 343*l.* 11*s.* 5*d.* It appears that the debtor commenced trading in June of 1897 without capital. He purchased the stock and utensils for 100*l.*, which amount

was paid by instalments in the course of two years. In 1903 he went to Edinburgh to prepare for his examination as a chemist and druggist, the business being managed by his sister. Having qualified, he returned to Llantrisant in 1905, where he then carried on business as a chemist and druggist. Debtor arranged to pay his father, to whom he owed 213*l.*, by quarterly instalments of 12*l.* 12*s.* 3*d.* Only four of these instalments were paid, however, and in order to do this it appears he had to borrow from moneylenders, whom he paid off in May or June of 1910. Under these circumstances he was unable, owing to insufficient capital, to obtain new stock, and his business suffered considerably. The only books kept for the last two years by the debtor were day books and newspaper sales books. He had previously kept a debtors' ledger. The debtor ascribes his failure to bad trade, lack of capital, owing to which he was unable to buy goods, and paying heavy interest on money borrowed from moneylenders, and admits that he could not meet all his engagements since May 1910, when he was sued by one of them. Since then he has contracted debts with some of his present creditors in the hope that trade would improve. The following are creditors: Ayrton, Saunders & Co., Ltd. (12*l.*); Wm. Cooper & Nephews (13*l.*); Evans Sons Lescher & Webb, Ltd. (21*l.*); Holman, Ham & Co. (12*l.*); Horner & Sons, Ltd. (11*l.*); and Lorimer & Co., Ltd. (12*l.*).

Re Thomas Boulton Allkins, Market Street, Tamworth, Chemist and Druggist.—The first meeting of creditors in this matter was held at the Birmingham Board of Trade offices on November 2, Mr. A. S. Cully (Official Receiver) presiding. The statement of affairs showed liabilities amounting to 13,674*l.* and assets estimated to produce 477*l.* 13*s.* 10*d.*, leaving a deficiency of 13,196*l.* 6*s.* 2*d.* The Official Receiver stated that debtor is sixty-six years of age, and began business as a chemist in 1869 with a capital of 200*l.* This business was successfully carried on until the beginning of 1909, when a limited company was formed with a capital of 1,000*l.*, made up of 1,000 *l.* shares. The debtor was appointed managing director at a salary of 250*l.* a year. The consideration for the sale of the business was the allotment to the debtor or his nominees of the thousand shares and a mortgage debenture of 500*l.* With the exception of 200*l.* the whole of the amount due to unsecured creditors was in respect to money advanced to the debtor's son between 1908 and 1911, for which the debtor became surety. The latter alleges that his son, who was a stockbroker in London, represented to him that he was in a position to make large sums of money by dealing in rubber shares, and the debtor was induced to endorse bills by way of surety for about 13,000*l.*, which sum was advanced to his son for investment. It was understood that the son is now confined as a lunatic. At a private meeting of creditors it had been resolved that unless a secured composition of 3*s.* 4*d.* in the pound was forthcoming a bankruptcy petition should be filed, but the debtor was not prepared to make the offer. The meeting was adjourned to November 10 for the appointment of a trustee. The following are the chief creditors: F. G. Alton, Tamworth (200*l.*); E. Banks, Birmingham (200*l.*); A. Gosling, Birmingham (3,450*l.*); J. Godderidge, Tamworth (1,550*l.*); Heath & Merrick, Birmingham (5,074*l.*); W. H. Lester, Nuneaton (700*l.*); Mrs. Meivart, Fazeley (250*l.*); E. Upton, Fazeley (1,900*l.*); Miss Upton, Fazeley (350*l.*).

DEEDS OF ARRANGEMENT.

Emsley, Joseph, 9 Parkhurst Road, Holloway, and 119 Mount View Road, Stroud Green, Middlesex, Chemist.—Trustee: H. L. Shaw, 15 Queen Street, London, E.C., C.A. Dated, October 27; filed, October 31. Secured creditors, 410*l.*; liabilities unsecured, 314*l.*; estimated net assets, 340*l.* For list of creditors see *C. & D.*, November 4, index folio 673.

Goodyear, Cyril James, 59 Dereham Road, Norwich, Chemist.—Trustee: T. Wallace, Prince of Wales Road, Norwich. Dated, October 27; filed, November 2. Secured creditors, 440*l.*; liabilities unsecured, 722*l.*; estimated net assets, 417*l.* Among the creditors are: The British Drug Houses, Ltd. (6*l.*); J. Bell, Hills & Lucas, Ltd. (6*l.*); Bourne, Johnson & Latimer (5*l.*); Evans Sons Lescher & Webb, Ltd. (5*l.*); Sutton & Co. (5*l.*); F. Schutze & Co. (3*l.*); Stephen Smith & Co. (4*l.*); J. Richardson & Co. (Leicester), Ltd. (4*l.*).

"PUNCH" of November 8 has a sketch of a queer chemist's shop (the chemist himself is a dignified elderly gentleman of the Stanford type), with a dilapidated-looking male customer. This conversation is appended:

Customer: "Ca' you 'ake 'e up a perskiptive for a bad cowl?"

Chemist: "Certainly. Have you got the prescription with you?"

Customer: "No; but I got the cowl."

LIMITED COMPANIES.

New Companies Registered.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

VETREX VETERINARY FOODS, LTD. (P.C.).—Capital 5,000*l*. Objects: To carry on the business of the Vetrex veterinary and other food, foodstuffs, and condiments, and to adopt an agreement with G. M. Williams. The first directors are A. Ritchie, F. Ledger, H. Ledger, and T. B. Ledger. R.O., 14 St. Mary Axe, E.C.

RED CROSS DRUG-STORES, LTD. (P.C.).—Capital 500*l*. Objects: To take over the business of a chemist and druggist carried on by Mrs. Blanche E. Day as the "Red Cross Drug-stores," at 11B Dawes Road, Fulham, and 351 Fulham Palace Road, S.W. Mrs. B. E. Day is the first director. R.O., 113 Dawes Road, Fulham, S.W.

IRISH DIRECT TRADING CO., LTD. (P.C.).—Registered in Dublin. Capital 2,500*l*. Objects: To carry on the manufacture of all kinds of household goods, foods, beverages, mineral waters, or any other articles of domestic use or consumption. The first directors are W. Conan, A. A. Hall, C. E. Stoer, and H. Thompson. R.O., 27 Westmoreland Street, Dublin.

SCHOLL MANUFACTURING CO., LTD. (P.C.).—Capital 5,000*l*. Objects: To carry on the business of manufacturers of and dealers in footwear, surgical and orthopaedic appliances, etc., and to adopt an agreement with the Scholl Manufacturing Co., of Chicago, for the purchase of its branch business carried on at 5 Manchester Avenue, Aldersgate Street, E.C. The subscribers are F. J. Scholl and J. A. Ward.

C. DAVIES & CO., LTD. (P.C.).—Capital 1,000*l*. Objects: To take over the business carried on by C. Davies & Co. at College Lane, Liverpool, and to carry on the business of manufacturers of and dealers in goods for chemists, etc., including the manufacture of patent medicines. The first subscribers and directors are C. Davies, 13 Washington Street, Liverpool, manufacturer, and A. N. Ewbank, Brookside, Upton, Cheshire, surveyor.

Company News.

MIDLAND CAMERA CO.—To be voluntarily wound up. Liquidator, Mr. G. H. Fookes, 153-5 Leadenhall Street, London, E.C.

BRUNNER, MOND & CO., LTD.—The directors have declared an interim dividend on the ordinary shares for the half-year ended September 30 last at the rate of 25 per cent. per annum, free of income-tax.

W. EVERITT, LTD.—A notice of the appointment of W. Taylor, of 2 City Road, E.C., as receiver, on October 25, 1911, under powers contained in first and second mortgage debentures, has been filed at Somerset House.

CASTNER-KELLNER ALKALI, LTD.—The directors recommend a final dividend of 12½ per cent., making 20 per cent. for the year, after placing 32,500*l*. to depreciation reserve account, 47,500*l*. to general reserve account, and leaving 14,222*l*. to be carried forward.

REMOVALS FROM REGISTER.—The following joint-stock companies, by an order gazetted on November 7, have been struck off the register at Somerset House: Bailey's Remedies, Ltd.; Kay's Mineral Water Co., Ltd.; National Photographic Printing Co., Ltd.; World's Antiseptic Ammonia, Ltd. (registered June 22, 1906).

ELECTROLYTIC ALKALI CO., LTD.—The report for the past year shows a profit of 3.138*l*. The directors state that this unsatisfactory and unforeseen result is due to several causes, such as the serious reduction of output during the summer, through temporary failure of water supply. The capital account has been over-expended by 32,000*l*. No dividend is forthcoming on the preference shares, and the directors propose to issue 50,000*l*. of new preference shares.

NEW PROSET SYNDICATE.—The report for the year ended September 30 states that since the date of the last ordinary general meeting the directors have arranged with Schweppes, Ltd., for a continuation of the royalties to this company on a basis of 50 per cent. of the former rate, and, as a result, there is a considerable diminution in the revenue accruing to this company, but under the circumstances, as set out in their last report, the directors were unable to obtain better terms. As at September 30 last the balance available for distribution amounts to 574*l*. The directors recommend that the whole of the preliminary expenses be written off, amounting to 55*l*. and that a dividend at the rate of 50 per cent. on the issued capital of the company should be paid to the shareholders, leaving a balance to be carried forward to next year of 155*l*.

TRADE NOTES.

MESSRS. FORD, SHAPLAND & Co., printers, 6 Great Turnstile, High Holborn, London, W.C., have registered the word "Forshapco" as their telegraphic address.

THE APOLLINARIS CO., LTD., 4 Stratford Place, London, W., have been awarded a Grand Prix for Apollinaris Water at the Dresden International Hygiene Exhibition.

MESSRS. A. WULFING & Co., 12 Chenies Street, London, W., have received the Grand Prix for Albulactin, Formamint, and Sanatogen at the Dresden International Hygiene Exhibition.

DOWELL'S POISON-BOTTLE.—Mr. John Dowell, Globe Works, Chatsworth Road, Clapton Park, London, N.E., points out that his new poison-bottle, specially suited for poisonous substances, as illustrated in our issue of November 4, index folio 678, should be viewed from the right-hand side of the figure.

"MERCK'S ANNUAL REPORTS."—Mr. E. Merck, 16 Jewry Street, London, E.C., informs us that the bulk of the copies of his Annual Report are not yet ready, and some delay in sending the copies out is therefore bound to occur. Applications will be attended to with as little delay as possible after the copies are actually ready.

CINNAMON AND QUININE TABLETS are another form of a popular cold-season line which Messrs. A. H. Cox & Co., Ltd., of Brighton, have just brought out, following up the seasonable hints in the *C. & D.* of October 28 (index folio 649). The chocolate-coated tablets are packed in oval, screw-capped bottles, with bright-red and pale-green labels having space for name and address. They cost 3*s.* 9*d.* per doz. for 25's and 6*s.* 6*d.* per dozen for 50's.

THE CHESEBROUGH MANUFACTURING CO., 42 Holborn Viaduct, London, E.C., are offering to retailers an exquisitely designed showcard for "Vaseline Hair Tonic." It measures 9½ in. by 7½ in., and is made to stand or hang up. It consists of a medallion portrait of a young lady whose magnificent tresses show that she has used "Vaseline Hair Tonic" to great advantage. The picture is particularly striking, as it is in photographic tint against a background of cardinal red. A specimen of the showcard may be obtained from the company on application.

TUTTI-FRUTTI, SEN-SEN CO., LTD., of 56 Newcome Street, Southwark, London, S.E., stock the most popular varieties of chewing-gums, such as Adams', Beeman's, Yucatan, Sen-Sen, Kis-me, and Chiclets, besides the well-known Sen-Sen cachous. These are leaders with druggists in America, who get good profits and large sales in the articles, which are put up daintily, so that chemists can stock and handle them. This our readers can judge for themselves by getting a copy of the illustrated price-list prepared by the company, which shows the styles of packing and the wholesale and retail prices.

BULGARIAN OTTO OF ROSE.—Mr. W. Naumann, 63 Bartholomew Close, London, E.C., agent for Mr. D. Pappazoglou, of Kezanlik, submits a sample of that firm's "own" (1911) distillation. Mr. Pappazoglou guarantees this otto to be absolutely genuine, and on examination of the analytical results obtained by an essential oils chemist, which Mr. Naumann sends us, we find the sample to be pure, the common and most up-to-date adulterants being proved to be absent. We may add that though Mr. D. Pappazoglou's distillery is at Kezanlik, he takes his stills into several other districts for distillation purposes during the season.

"NOCTONA" CHRISTMAS CARDS.—Messrs. Griffins, Kingsway, London, W.C., are supplying "Noctona" postcards with a new device for converting these into greeting-cards. The firm have patented the process, which consists of the use of a piece of celluloid with a Christmas or New Year's greeting upon it. A space is left below the wording so that the photographer can convert the card into a personal one by inserting his name. The lettering on the celluloid comes out in white on the finished photograph. "Noctona" Christmas postcards are made in three grades and put up in packets which sell at 6*d.* and 1*s.*

Mr. W. F. CHARLES, Zenobia Laboratories, Loughborough, has issued a wholesale price-list of his manufactures, which deals with perfumes and the department devoted to fancy boxes, sachets, etc. Among the latter is a novelty in the shape of the "Zenobia" bow-sachets. These are silk bows for wearing in front of the dress, and they are made in a variety of colours to accord with the series of perfumes; thus, "Sweet Pea Blossom" is carried out in pink silk, "Lily of the Valley" in dark green, etc. Chemists desiring a copy of the list are requested to send their business-card to Mr. Charles.

"QUICKSHAVE" is the name of a new toilet article whose introduction by the Elite Toilet Co., Bradford Street, Birmingham, was recently noted. We have since had the opportunity of examining it, and find that it is an article which chemists can recommend as a novelty which makes shaving a pleasure. "Quickshave" is a thinnish cream put up in collapsible tubes, from which it is allowed to flow upon a slightly damp badger-hair brush, which is then applied to the face in the ordinary manner, a fine, creamy, non-drying lather resulting, through which the razor passes easily and smoothly, without leaving the slightest irritation behind. The cream sells at 6d. and 1s. per tube, and may be obtained direct from the company or through wholesale houses.

PHOTOGRAPHIC TABLOIDS.—At the Hackney Photographic Society's Exhibition is a striking exhibit arranged by Messrs. Burroughs Wellcome & Co. in the centre of the hall, where the firm display some very attractive photographs, illustrative of the most up-to-date methods. One series of warm gaslight prints, ranging from warm black to chalk red, is specially admired. The variations in colour were produced entirely with "Rytol" developer, by making suitable alterations in the restrainer and time of exposure. A little leaflet entitled "Winter Work" is distributed at this stand, containing instructions on this method of producing warm tones. Some natural-colour photographs of flowers, produced by means of "Tabloid" photographic chemicals, are also shown.

No. 54 EAU-DE-COLOGNE SOAP is not exactly a new-comer, for the peculiar oblong tablet is a familiar figure on most chemists' counters. Messrs. Van Oppen, Ross & Co., 38 Basinghall Street, London, E.C., sole agents for the British Empire, report steady progress with the soap, which is a perfectly white product that does not darken on exposure to sunlight, as in chemists' windows; in fact, it has been so exposed for six months, and at the end of that time it was perceptibly whiter. The soap is delicately perfumed with eau de Cologne, and makes a rich lather with hard London water. Yet it is just as popular in Glasgow, where a very soft water is the public supply. It lasts well, retails at 4d. a cake, twelve cakes being put up in a box. The wholesale price is 34s. per dozen boxes. The agents supply free cards for window display and other advertising material. They also give special quotations for quantities.

CHRISTMAS PERFUMES.—In the course of a visit to The British Drug Houses Ltd., Graham Street, City Road, London, N., our representative was shown over the perfumery department, where reigns a condition of extra activity owing to the despatch of orders for perfume for Christmas trade. Stacks of packages were being sent down to the packing-room, and deft fingers were putting the finishing-touches on handsome cut-glass bottles of perfume. The appearance of even the best container is much improved by the way the bows of ribbon are arranged, and it is only long practice that can ensure the proper finish. Many of the styles of perfumes are shown in the "Price-list of Chemists' Specialities" issued by the company, but other patterns of cut-glass bottles have since been added, while a new series of labels, embodying a delicate heliotrope tint, is employed. The bottles are sent out in cartons of simple design, but externals have in no case been arranged at the expense of the quality of the perfume. It is this point upon which stress is laid. Chemists who have not yet completed their stocks of these goods for the Christmas season should make inquiries at once, as the demand for certain of the popular lines threatens to create a famine.

SHIRLEY'S EXTENSIONS AND SPECIAL OFFERS.—During the current year Messrs. Shirley Bros., Ltd., manufacturing

chemists, Whitecross Works, London, S.E., have nearly doubled their premises by acquiring the warehouses lately occupied by Tarn & Co. Some 13,000 superficial feet of floor space has thus been added, making 27,000 in all. The extensions are already fully occupied; for instance, although the vaseline department has been made twice as large, the demand for the taper pot with decorated cap is so great as to utilise more than the extra space acquired. Messrs. Shirley Bros. are making two special offers in our advertisement columns this week. One is P.A.T.A. lines of menthol snuffs, showing more than 100 per cent. profit, and the other special parcels of perfumes in cut-glass bottles for the Christmas season. Both offers are of eminently seasonable goods.

"ELVE," a new polish, marks a distinct departure with advantageous results from the traditional compositions of liquids for polishing furniture and the like. It is a mobile liquid, with fruity odour, containing an impalpable sediment, which is dispersed throughout the liquid before it is applied, by means of a special cloth, to the woodwork or other material to be polished. The result is a remarkably bright restoration of the original surface with little labour. "Elve" cleans as well as polishes, and has a wide range of application—e.g., it is in demand for motor-cars, all parts of which it polishes. The preparation is made by the Ellvee Co., 12 King Henry's Walk, London, N. It is put up in 6d. and 1s. bottles (cartoned) and in quart, half-gallon, and gallon containers, which sell at 2s. 6d., 4s. 6d., and 7s. 6d. respectively, showing a good profit. Free samples are also obtainable, and with every bottle a polishing-cloth is enclosed.

POINSETTA is the newest perfume production of Messrs. J. & E. Atkinson, Ltd., Eonia Works, Southwark Park Road, Bermondsey, London, S.E. It appears that four leading actresses had placed before them five numbered samples of perfume, each a new creation, for the purpose of enabling these ladies to pick out a new and acceptable kind of perfume. They all chose the same sample, which the makers have named "Poinsetta," after the Mexican flor de pasque or poinsettia. This has now been introduced for retail sale, and is put up in distinctive style with artistically designed labels, upon which appears the poinsettia in red. There are three sizes of the perfume, 1½ oz., 3½ oz., and 9 oz., retailing at 4s. 6d., 8s. 6d., and 20s. As a connoisseur must have only one pervading perfume in all the articles of the toilet-table, "Poinsetta" is made also in the form of sachets, toilet-powder, toilet-soap, and hair-lotion. Each bottle of the perfume is sent out in a bronzed box, and the soap is packed single cakes in a box. A good demand is being created for this series by means of advertisements in the chief newspapers and magazines, and chemists should be prepared to meet the demand.

BUSINESS CHANGES.

Notes for this section sent to the Editor should be authenticated, and must not be in the nature of advertisements.

Mr. F. A. CAIRNS, Ph.C., has acquired the business of Mr. H. H. Copestake, chemist and druggist, at Bagshot.

Mr. W. P. A. TAYLOR, chemist and druggist, has purchased the business of Mr. A. Goddard, at 74 High Street, Erith.

Mr. H. E. PARSONS, chemist and druggist, has opened a high-class pharmacy at 7 Brockley Rise, Brockley, London, S.E.

Mr. R. E. CHARLES, chemist and druggist, High Street, Brecon, has sold his business to Mr. W. Gwillim, chemist and druggist.

Mr. GILBERT, chemist, has purchased the business of Mr. W. E. Longstaff, chemist and druggist, at 206 Ivydale Road, Nunhead, London, S.E.

Mr. W. HOLT, chemist and druggist, High Street, Measham, Leicestershire, has disposed of his business to Mr. A. E. Kennerley, chemist and druggist.

Mr. HARRY BIRKETT, chemist and druggist, late of Boots, Ltd., has bought the business carried on by Messrs. W. Furness and J. C. Hall, at 195 Blackburn Road, Acerrington.

WESTMINSTER WISDOM.

The Week in Parliament.

National Insurance Bill.

Advisory and Health Committees.

Between ten and eleven o'clock on Tuesday evening, November 7, the House of Commons in Committee on the Bill reached Clause 42, which deals with the appointment of an Advisory Committee, and which Mr. Glyn-Jones had proposed to alter by introducing the words here given in italics:

The Insurance Commissioners shall as soon as may be after the passing of this Act appoint an Advisory Committee for the purpose of giving the Insurance Commissioners advice and assistance in connection with the making and altering of regulations under this part of this Act, consisting of representatives of associations of employers and approved societies, and *registered medical practitioners and pharmacists*, and of such other persons as the Commissioners may appoint.

The Chancellor of the Exchequer proposed to insert where the italics are the provision

"of duly qualified medical practitioners who have personal experience of general practice,"

and after "appoint" at the end of the clause the words

"of whom two at least shall be women."

Many members in the House had received urgent messages from chemists throughout the country to support Mr. Glyn-Jones's amendment, but it was not reached, the guillotine intervening, and the Chancellor's were adopted.

Clause 43, which provides for the appointment of local Health Committees, was reached on Wednesday evening. The Chancellor moved amendments to this which recast the clause, and made each local committee consist of:

Up to one-third representatives of the members of approved societies and deposit contributors.

Of the remaining two-thirds, *one-half* to be appointed by the County or Borough Councils, *two* members by medical practitioners in the district, and the rest by the Insurance Commissioners.

Mr. Glyn-Jones in July placed on the papers an amendment providing, *inter alios*, for two pharmacists on each committee. Since our last issue he also proposed the following addendum to the clause:

"Provided that every County Council, other than the London County Council, shall within six months after the passing of this Act make a scheme for the appointment of a local Health Committee and auxiliary committees for the county in accordance with the foregoing provisions, unless the Insurance Commissioners shall, on the recommendation of the County Council, decide that a scheme is unnecessary in the case of their county. Every such scheme may prescribe the area to be assigned to each auxiliary committee, and in particular shall provide for the appointment of an auxiliary committee for every borough within the county having a population of not less than 10,000, and for every urban district within the county with a population of not less than 20,000, provided that the County Council may in any case where they deem it expedient prescribe that there shall be united to or included with any such borough or urban district as aforesaid any other borough not being a county borough or any urban or rural district or any township. A scheme made by the County Council shall be subject to the approval of the Insurance Commissioners."

When the clause came up for consideration Mr. Lees Smith moved to change the name of the Local Health Administrative Committees from Health to Insurance Committees.—The Attorney-General agreed to the suggestion, which will be dealt with on report.

Sir P. Magnus moved an amendment providing that a local Health Committee should consist of no fewer than fifteen or more than thirty members. He said the Chancellor had increased the size of the Committee without giving a corresponding increase to the medical profession. It amounted to a betrayal of the medical profession.—The amendment was opposed by the Government and defeated by 193 votes to 42. It was agreed that the size of a local Health Committee should in no case be fewer than twenty-four or more than forty-eight.

A considerable discussion took place as to the constitution of the local Health Committees, and the representation thereon of the medical profession.

Sir Robert Finlay and Dr. Addison were the members with personal medical experience who spoke on this aspect, the latter representing the British Medical Association. He said that medical men fully realised that the representatives of insured persons should be in a majority on the Health Committees, but they were anxious that their case should be fairly considered. He asked the Chancellor to allow representations to be made to him on the subject between now and the report stage.

At this point the Chairman called on Mr. Glyn-Jones upon the general question, so that he was prevented by the rules from putting his amendment. He said in the three minutes remaining to him—

"I wish to appeal to the Chancellor of the Exchequer on behalf of pharmacists, as I have no opportunity of moving an amendment to his own proposed amendment. I do not grudge to the medical men their three representatives, but the position of the pharmacists is that they have no one on the committee at all. I would point out that the Chancellor of the Exchequer has provided for the representation of the medical profession on the Insurance Commission, and he moved an amendment last night that there should be medical representation upon the Advisory Committee. There were amendments to provide representation for pharmacists, but they could not be moved. I now appeal to the right hon. gentleman to provide representation for the pharmacists on the committee for the reason that the committee have to make arrangements for obtaining drugs, appliances, and dispensing for the district. In the interests of economy and efficiency it is necessary to have on that committee an expert pharmacist to advise in regard to those matters. An expert might advise the use of less expensive appliances where more expensive would be unnecessary. Seeing that the medical profession has representation on the Health Committee, the Advisory Committee, and the Commission, I would appeal to the Chancellor of the Exchequer to give some representation on the Health Committee to the pharmacists, whose assistance would help the working of the scheme. I am perfectly certain that the right hon. gentleman has no intention of slighting the pharmacists, but their being entirely ignored is not unlikely to lead to that impression. The actuaries' estimate of the medical charge is 6s., and a third of that is for the cost of medicines and drugs, and it is in the interests of the scheme that someone with expert and technical knowledge should be on the committee to advise as to the cost of medicines and drugs. I hope the Chancellor of the Exchequer will see his way to provide that there shall be at least two pharmacists on the committee, whose minimum is to be forty. Surely there might be two among forty."

Promptly at half-past ten, in accordance with the procedure resolution, the guillotine fell, and discussion terminated. Without a division the Chancellor's amendment was agreed to and the clause was added to the Bill, as were also Clauses 44 and 45. Mr. Glyn-Jones had two verbal amendments to the latter, but they also were not considered. We understand that his amendments to Clauses 42 and 43 will be put again on the report stage.

Anti-Vivisection Movement.

It is the intention of those members of Parliament who are opposed to vivisection to introduce on the report stage of the Bill an amendment to Clause 15, designed to prevent the endowment out of public moneys of scientific research (including, as they imagine, experiments upon live animals) which is obnoxious to a very large section.

Friendly Societies' Funds.

Mr. W. S. Glyn-Jones, M.P., proposes to insert at the end of Clause 55, which provides for the application of existing funds of friendly societies, the following:

(d) in the payment, or part payment, out of the funds accumulated in respect of any member who is not a British subject of the fees required to be paid in connection with the naturalisation of such member.

Aliens.

Mr. W. S. Glyn-Jones, M.P., in the House of Commons late on the night of November 2, moved to insert in Sub-section 1 of Clause 35, which makes special provision as to aliens, the words:

"Any such person may require the Insurance Commissioners to pay from time to time to any provident society or fund, of which he is a member, to be named by him and approved for this purpose by the Insurance Commissioners, all sums received by them in contributions from such persons or from any employer in respect of such person."

Having spoken briefly in support of his amendment, he was asked by Mr. McKenna to withdraw it, especially as it was urgent and necessary that he (Mr. McKenna) should be in a position to move the amendment on the same subject he had promised before half-past ten o'clock. Mr. Glyn-Jones briefly replied, and by leave the amendment was withdrawn.

Apothecaries and the Bill.

The following paragraph has been communicated to the daily Press :

"It is not, perhaps, generally known that a large class of persons of both sexes, fully qualified to act as medical dispensers by virtue of a diploma granted by the Society of Apothecaries of London, under statutory powers, is practically threatened with extinction under the National Insurance Bill as it now stands. By Clause 14, as amended in Committee, the whole business of the supply and dispensing of medicines under the Bill is henceforth put into the hands of chemists and druggists, to the entire exclusion, except in certain very limited cases, of these duly qualified dispensers. Amendments to safeguard their interests have been submitted to Mr. Lloyd George by the Society of Apothecaries, and are at the present time under his consideration. They aim simply at enabling dispensers to retain their existing rights, and seek to avoid the infliction of hardship upon a hardworking class of men and women."

Mr. Huntrods' Deputation.

A deputation from the Incorporated Society of Pharmacy and Drug-store Proprietors of Great Britain, Ltd., waited upon the Attorney-General (Sir Rufus Isaacs, K.C., M.P.) at the House of Commons on Monday afternoon, November 6, in reference to the position of unregistered chemists and druggists under the Bill. The proceedings, which were private, took place in the private room of the Attorney-General, who received the deputation on behalf of the Chancellor of the Exchequer. The deputation was introduced by Mr. J. O'Grady, M.P., with whom were Mr. Harold Baker, M.P., and Sir C. E. Schwann, M.P., and included Mr. Wm. Huntrods (President of the Society), of Leeds, Mr. A. D. Hutchinson (Nottingham), and Mr. Lewis (Manchester). The deputation attended to state their objections to Clause 14 as the outcome of a meeting of the Society which was held in Manchester in July last, at which the following resolution was passed :

"That this meeting of pharmacy and drug-store proprietors expresses its approval of the general principles in the National Insurance Bill as a means for the future betterment of the working-classes, but deprecates the attitude of the Pharmaceutical Society, through their Parliamentary Secretary, Mr. Glyn-Jones, in attempting to obtain a further monopoly in the dispensing of medicines, believing the same would be detrimental to the interests of the insured and a grave injustice to the large body of pharmacy and drug-store proprietors who have established themselves as dispensers of medicines during the last forty-three years and have large vested interests."

The deputation urged that Clause 14, as it has at present been accepted by the House of Commons, would entirely exclude unregistered chemists and confer a further monopoly upon the registered chemist. They asked that the clause should be so amended on report that the unregistered chemists would be able to maintain their existing rights. They asked for no monopoly, but only for a fair field and no favour. It was argued that the public should get their prescriptions dispensed and medical requisites where they choose, so that all retailers would have an equal chance. They desired simply to retain that which they at present possessed.

In a printed statement of the case put forward it was stated that

The pamphlet issued on behalf of the pharmacist contained exaggerated and inaccurate statements; that it would be obviously unjust to crush out of existence established men who have been and are serving the public to their satisfaction; that on account of the lack of practical training it would result in many more fatalities if the dispensing was restricted to registered chemists only; and that by creating a further monopoly it is contrary to British traditions.

Amendments to the Bill were suggested as follows :

(1) That all insured persons should pay for the dispensing of their prescriptions and the supply of medical and surgical requisites and obtain them from whom they chose. Force

of competition would thus prevent the insured persons from having to pay exorbitant prices.

(2) That, if the Government is desirous of confining the dispensing to any particular class, then we as duly apprenticed men and having devoted all our lives to the dispensing and selling of medicines, should be admitted to the Pharmaceutical Register. This was done in 1868, when anyone at that time selling drugs without having served any apprenticeship and not possessing any knowledge of the drug-trade was admitted to the Register. As previously stated, we have a number of these men with us to-day in business.

(3) That the doctors, having regard to the fact that they are receiving extra remuneration, should retain the dispensing, while we retailers, registered and unregistered alike, would, as at present, get the benefit in the supply of medical requisites and surgical appliances.

(4) That the present supply of registered chemists is quite inadequate to meet the public requirements.

The Attorney-General, in reply, said it appeared that the request made by the deputation was a very simple one indeed—they asked for nothing more than the maintenance of their existing rights. On the face of it and without making a definite pronouncement on the matter, the request was one worthy of consideration, and he promised to convey their views to the Chancellor of the Exchequer.

Mr. Huntrods has also stated that in Leeds there is the largest co-op. in the world, with most members and shops where large quantities of drugs and medicines are dispensed and sold in addition to surgical and medical requisites. There are over 50,000 members, which, averaging five to a household, means that there are 250,000 Leeds inhabitants trading wholly or partially at the stores, which is more than half the entire population. They employ one registered chemist. The vast majority of co-ops., although all having their drug department, do not employ a registered chemist, he added.

Questions and Answers.

IRISH DISPENSARIES.—Sir John Lonsdale, M.P., asked the Chancellor of the Exchequer on Monday whether he was aware that, under the existing rules of the Local Government Board for Ireland, dispensary medical officers are prohibited from employing assistants, and whether, having regard to the additional work which will be thrown upon these officials under the Bill as applied to Ireland, he will remove the prohibition referred to.—The Chancellor replied that he is aware that officers employed under the Poor Law are prohibited by the Local Government Board in Ireland from entrusting their duties to deputies, but he did not understand why the hon. member apprehended so great an increase in their work as a result of the Insurance Bill.

TREATMENT BY HERBALISTS.—On Monday Sir W. Menzies, M.P., asked the Chancellor whether he could see his way to introducing a clause providing that insured persons who have lost faith in, or who have conscientious objections to, orthodox medical treatment may be allowed to consult unregistered medical practitioners, such as herbalists, etc., if they so desire; and whether such unregistered practitioners would be allowed on the panel for a district.—The Chancellor, in reply, referred Sir William to the provisions of Clause 14 (3) of the Bill as amended in Committee. As regards the second question, the answer was in the negative.

DISPENSING BY COUNTRY DOCTORS.—On Tuesday Mr. Preymann, M.P., asked the Chancellor whether the surgery of a country doctor required to dispense under the Bill would become liable under the provisions of the Sale of Food and Drugs Acts.—The Chancellor replied that there is nothing in the Insurance Bill to alter the existing position of doctors' dispensaries in this respect.

COLONIAL PHARMACEUTICAL CERTIFICATES.—On Wednesday Mr. Kellaway asked the Chancellor whether he was aware that the negotiations between the Council of the Pharmaceutical Society of Great Britain and the Colonial representatives with a view to formulating a by-law providing for the admission to the Register of Chemists of persons holding Colonial certificates of qualification equivalent to the British qualification have now been in progress for about three years; whether he has any reason to suppose that these negotiations will be completed by the time the National Insurance Bill becomes operative; and, if not, how he proposes to prevent chemists holding Colonial certificates, and who are now in business in this country, being excluded from the lists of chemists qualified to dispense medicines under the Bill.—Mr. McKinnon Wood replied that he was aware of the fact stated in the first part of the question. He was unable to say when the negotiations would be completed, or what alternative plan might be adopted in the event of their proving abortive, but the hon. member may rest assured that the matter will not be lost sight of.

Mr. Glyn-Jones, M.P., asked whether the right hon. gentleman was aware that such a by-law required to be passed three times by the Council of the Pharmaceutical Society, and that the Council had already this month once passed such a by-law which would provide for the recognition of Colonial certificates.—Mr. McKinnon Wood said he understood upon good authority that that was so.

"ETHICAL PRETENSIONS."

Sir John Rolleston asked the President of the Local Government Board regarding the resolution of the Enfield Medico-Ethical Society (*C. & D.*, October 21, index folio 597) whether steps will be taken by legislation or otherwise to pay the doctor's fees in such cases. Mr. Burns replied that he was not aware that the Society in question had any control over the midwife, and he did not consider that the State should be called upon to make a payment in the cases referred to.

STAMP-DUTY ON PATENT MEDICINES.

Mr. C. Bathurst, M.P., put the following question to the Chancellor of the Exchequer on November 6:

Whether the Customs and Excise Returns for the year ended March 31, 1911, disclose payment of stamp-duties in respect of patent medicines of upwards of 325,000*l.*; if so, whether this represents an increase, and to what extent, on the amount of the duties paid under the same head during the previous financial year; what number of packages of patent medicines the above duties represent; and whether, in view of the amount of such medicines widely advertised and of no curative value consumed by poor persons, the Government contemplate introducing any legislation dealing with this question.

Mr. McKinnon Wood, who replied, said that the yield of the duty on patent medicines in the year ended March 31 last was 325,646*l.*, which was an increase of 12,532*l.* on the receipts for the previous year, but is little more than 2,000*l.* over the average receipts for the past ten years. No figures are available as to the number of packets of medicines represented by the figures for the year. The last part of the question appeared to be one for the Home Office.

Mr. Bathurst returned to the subject on Thursday, asking the Home Secretary whether, "in view of the present consumption by poor persons of worthless concoctions of this description possessing no curative properties, he will, without further delay, introduce legislation dealing with the matter." Mr. McKenna replied: "I agree with the views of my predecessor, as stated in reply to a question on June 26, that the subject of the condition of the sale of patent medicines might usefully be considered by a Select Committee next Session. I do not understand the hon. member to suggest that all patent medicines are worthless concoctions."

NOTES.

Poisons and Pharmacy (Ireland) Bill is still on the papers of the House of Commons, and stood as No. 74 on the orders of the day for November 8.

On the motion of the Earl of Liverpool the Merchandise Marks Bill was read a second time in the House of Lords on Monday, and on the following day was passed.

The Shops Bill was sixth in the orders of the day on Monday, and the Finance Bill ninth. Neither was reached, and they have not been restored to the papers since.

Mr. W. S. Glyn-Jones, M.P., was a member of the deputation which waited upon the Prime Minister at the House of Commons on Tuesday evening, November 7, and received an assurance from Mr. Asquith that it is the intention of the Government to introduce next Session a Bill to deal with adult manhood suffrage.

BURGOYNE, BUREIDGES CRICKET-CLUB DINNER.—The annual dinner was held on November 3 at the Masons' Hall Tavern. Mr. H. R. Arnold, who was chairman, was supported by Messrs. C. W. White, F. E. Bryant, F. W. Clayton, W. Kelly, and W. Beckley. At the conclusion of the dinner and the various toasts the usual club prizes were given, and also medals (presented by Mr. T. Farries) to the members of the team as a recognition of winning the Drug-trade Championship. A lengthy musical programme was then proceeded with, the artistes including the brothers Sharland, Burrows, and Kelly.



Postal Address:
C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.
Telegraphic Address: "CHEMICUS LONDON."
Telephone No.: BANK 852 (two lines).

INFORMATION WANTED.

We would be obliged if any reader would inform us by post-card or telephone who are the makers or agents of the articles mentioned in the following inquiries received since our last issue:

- 223/551. "Epitol."
- 227/58. Photoxylol.
- 223/554. "Hall's Pills."
- 222/73. Mercolised wax.
- 224/42. "Uno" tooth-paste.
- 220/14. Douglas's castor oil.
- 224/34. Liq. colae compound.
- 228/2. "Try-this" liniment.
- 223/552. "Cloth's Dog Soap."
- 226/44. "Vasimol" atomisers.
- 223/550. "Chelof" for chilblains.
- 227/62. Lion oil and alligator oil.
- 225/55. "Lassar's White Tar Soap."
- 220/32. Bottle-washers for the trade.
- 223/553. "Furnival's Washing Fluid."
- 225/11. "Goodman's Cost-price Book."
- 222/730. Douglas MacDougall's castor oil.
- 225/70. "Anti-autotox" (London supply).
- 225/110. "Emerson's Tincture Dark Brown."
- 227/27. Wicker-covered bottles: actual makers.
- 226/6. Makers of "Chuck" (slide willow boxes).
- 226/59. Kade's quinine carbamate hypodermic injection.
- 223/32. Metal dark slides (9/12 cm.) to fit Ottomar-Anschutz camera.

INFORMATION SUPPLIED.

During the past week we have answered inquiries as to where the following articles can be obtained, and in many cases we have given the actual makers. The information will be repeated to any other inquirers who send to this Department a stamped and addressed envelope for the purpose.

- | | |
|--|---|
| Amyl acetate, commercial (221/18). | Packer's tar-soap (221/150). |
| Ayer's preparations (221/150). | "Pampas Grass" toilet-paper (218/45). |
| Carbolic acid (224/54). | "People's" fly-catcher (221/70). |
| "Compacta" seamless hypodermic needles (217/34). | "Pinomed" medicated handkerchiefs (221/48). |
| Davis's triple-spring arch-support (220/31). | Pineclay (220/13). |
| Emimol (220/20). | "Polita" (221/66). |
| "Florozon" sprayer (225/71). | Pulsocon (225/74). |
| Germide (220/52). | Sammetto (221/154). |
| Horn goods (220/23). | Stockholm tar (221/23). |
| Hudson's eucemthol pastilles (214/22). | Surgical needles (217/34). |
| Kennedy's Pinus Canadensis (221/151). | Thialion (221/155). |
| Lamman & Kemp's Florida-water (221/152). | Tungstie acid (222/60). |
| "Mohammed" Arabian Musk perfume (222/19). | "Twin-Plex" safety-razors (221/62). |
| "Mother's Help" soothers (217/14). | Vacuum flasks (218/46). |
| Neufaline (216/38). | Valentine's meat-juice (221/156). |
| Norgine (209/71 and 211/62). | Wampole's preparations (221/157). |
| Oxylithe (224/52). | Whiting, powdered (222/23). |
| | Wright's electrical appliances (221/19). |
| | Young's hygienic bins (221/62). |

PRACTICAL RESULTS.

From a Manufacturer of Toilet Specialities:

"My best thanks for information supplied and addresses of firms supplying specialities. The unique methods adopted are only equalled by the splendid and valuable service to your grateful subscribers." (226/36.)

From a Wholesale House:

"We are obliged to you for the information you give us: as a matter of fact we have since received a nice order for perfume-sachets from this firm, and thank you for your courtesy in giving them the information enabling them to trace us." (182/13.)

OBSERVATIONS & REFLECTIONS.

By Xrayser II.

Hemlock as a State Poison

in ancient Athens has recently been under discussion in "The Lancet," with particular reference to the case of Socrates. It has been contended that the symptoms described by Plato as following the administration of the draught are not those of hemlock-poisoning, and the suggestion has been made that not *Conium maculatum*, but water-hemlock (*Cicuta virosa*) was the agent used. I have, however, good authority for saying that water-hemlock is not found in Greece, and the alleged symptoms of poisoning by this plant—spasms, insensibility, vomiting, diarrhoea—increase rather than diminish our difficulty. Is there any difficulty at all in accepting the commonly received view? Professor Charles H. Marshall, of Dundee, maintains that there is not. Conium undoubtedly varies considerably in its action, which is, moreover, said to be accelerated when the drug is given in wine, as the custom was in Athens. However this may be, the symptoms described in the "Phaedo" resemble closely those attributed to coniun-poisoning by a modern writer:

"Weakness and staggering gait, passing on to paralysis, which gradually passes up the cord until it reaches the respiratory centre, when death ensues. Dilatation of the pupil, ptosis, and asphyxial convulsions are symptoms also seen."

In the case of Socrates we are told that insensibility first attacked the feet, crept up the legs and body until the region of the heart was reached, when a convulsive movement was seen and death followed. Neither Plato in this case nor Plutarch in that of Phocion mentions the name of the poison; but Xenophon, in the account of the death of Theramenes, calls it *koneion*, the action of which is described by Aristophanes in terms corresponding with those afterwards used by Plato: "That is too deathly cold a way [to Hades]; you have hardly started ere your shins get numbed." We have indeed ample evidence that the poison in use in Greece both for the despatch of criminals and by suicides was known as *koneion*, if that were the matter in dispute. The Latin name for hemlock was *cicuta*, and this was continued in our Dispensatories until late in the eighteenth century. The first use of "coniun" that I happen to have met with is in Heald, who wrote in 1778. He has this note:

"*Cicuta*, hemlock; *Conium maculatum*. Hemlock, after a variety of contradictory observations, has at length obtained a place in our Dispensatory."

He calls water-hemlock *Cicuta aquatica*, but in earlier writers it was not *Cicuta* but *Cicutaria palustris*. My reply to the correspondent to whose inquiry this note is due is that on a review of the whole question the accepted opinion seems as yet to hold the field, and the water-hemlock suggestion to be unnecessary, if not positively untenable.

Success in Business

is not, says the Rev. R. J. Campbell, possible in these days to an honest man. Obviously this depends upon what we mean by success and honesty. One man might accept as success a result that another would regard as failure. If Mr. Campbell means that it is now impossible to get an honest living in business he must be using the word "honesty" in an unusually strict sense. Uprightness, integrity, truthfulness, straightforwardness, the quality opposed to lying, cheating, or stealing—this is the dictionary's definition of honesty. Are we to understand that it is a quality the tradesman cannot afford to cultivate? Is it even one that he cannot, without destroying his chances of success, exercise as fully as his neighbours? Can Mr. Campbell really mean this? We have no right to demand more from the tradesman than from other people; all virtue is difficult, and absolute honesty

is, perhaps, a counsel of perfection in any walk of life, but it is no more so than absolute truthfulness, and who is absolutely truthful? Who, indeed, is entirely faithful to the highest ideal of conduct in any particular?

The Bishop of London

(the juxtaposition is a mere coincidence), in the course of a speech in regard to the immorality of London, stated that "a Bill had been prepared by expert authorities, with the advice of the best lawyers, for the suppression of indecent advertisements and for stamping out the filthy things shown in the chemists' shops of London to the degradation of the people—the filthy post-cards and pictures." His Lordship's reference to chemists' shops is too sweeping. I am glad to say that comparatively few of the shops which make a feature of these objectionable goods belong to registered chemists.

The "Young Men in a Hurry,"

as a pharmaceutical official was good enough to christen our Australian cousins some months ago, have not been long in making the old party at "the Square" get a move on. In the interview at which the very appropriate remark just quoted was made, the official in question ridiculed the idea of establishing reciprocity for some years to come. The Council must have time to elaborate their proposals, and, above all, no reciprocity could be accepted save on the basis of a curriculum. Considering that it is only a few months since these words were uttered, it looks uncommonly as if the hands of the Council have been forced, and that they have been compelled to produce their scheme. Certainly more one-sided and grudging proposals could hardly be conceived, and I shall be surprised if considerable modifications are not made before they become by-laws. The first lays down conditions for registering men having Colonial qualifications, which, if similar conditions are enacted in the respective Colonies, would effectually prevent thousands of British pharmacists from being registered abroad—surely a very curious form of reciprocity. If "approved courses of study" plus examination, are necessary here, they will be equally necessary abroad, and in that case many an intending emigrant will have to think twice before he leaves these shores. Then I observe that the Council are going to demand a fee of twelve guineas for registration. All that I have to say about this is that the manner in which registration and examination fees are squeezed out of home candidates is bad enough, but to squeeze a similar amount out of Colonials after they have gone to all the expense of their own examinations appears to me to be intolerable.

The Stream of Eloquence

that flows from a Fife pen when once it gets "set" is apt to make one tired. There is really no limit to the flights of imagination to which the writer can soar. I have heard of a proverb to the effect that "it takes a long spoon to sup with a Fifer," and though I am not quite clear as to the interpretation, I take it to mean that people who belong to the Kingdom of Fife can be trusted to look after themselves. The trouble in this case is that the Fife chemists are not only going to manage their own affairs, but they insist on managing the affairs of chemists all over the country as well. Admitting that the money proposed for medical aid is insufficient, someone must make it up, and that someone is the payer of rates and taxes. The community is never consciously unjust to those who do its work; the reverse is the case, for the inevitable tendency, where public money is being spent is for someone always to be at hand to see that someone else is not defrauded of his proper share. Thus it is that we so seldom see a rate or a tax coming down; they are always on the up-grade. I appeal to our Fife brethren to bury the hatchet and agree with the "overwhelming majority" to a settlement that I am convinced will work out quite equitably. If they do not, and if they persist in airing their opposition in public as they are doing, they are in danger of creating an irritable condition of local feeling which will make things much more difficult for themselves when the Insurance Act comes to be administered.

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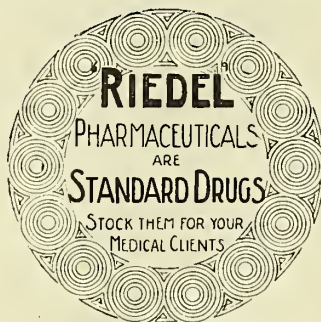
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LIQUORS

Editorial Articles.

The Sugar Market.

AMONG the many articles of consumption which have advanced in price this season probably none has commanded more interest or hit the public harder than the rise in sugar, and as this is a commodity in which druggists and manufacturers are keenly interested, it may be useful to give some of the features of the present abnormal situation. We may at once say that expert market opinion is much divided as to the future course of values, and it is impossible in the unsettled conditions now prevailing to attempt any forecast with due regard to accuracy. During the past fortnight the speculative market in London for 88-per-cent. raw beet has been erratic and less stable, the view being held in some quarters of an eventual decline to 15s. per cwt. On the other hand, there are some who believe that values are now at their lowest, and that the present is a favourable opportunity for laying in stock; such predict a value of 20s. for beet next spring, when the "squeeze" will have become apparent. Meanwhile, in the present unsettled state of the market and with opinion so diverse, there is a natural hesitancy on the part of buyers to commit themselves largely. It may be pointed

out that the advance in price this year has been from 8s. to 9s. per cwt., or nearly 1d. per lb. At the end of June last the standard price of raw beet was 10s. 9d., and by September it touched 18s. 9d., but has since fallen back to about 16s. 6d. for November delivery. The primary cause of the advance is, of course, attributed to the poor European beet-crops (apart from Russia), which, according to careful estimates, show a deficiency of about two million tons as a result of drought, so that a normal yield of 8,000,000 tons has been reduced to 6,000,000 tons. When it is remembered that last season's yield of 8,000,000 tons was insufficient for the world's consumption, the sugar markets of Europe became excited, and prices began to rise rapidly. Speculators naturally lost no time in seizing the opportunity, and even before the actual shortage became known they helped to drive up prices. A concise explanation of the situation as it stands to-day is given in a circular just issued by a leading and responsible firm of sugar-dealers, in the course of which they state:

"There is no doubt that the speculative market is now being left in the possession of groups of gamblers, who are prepared and willing to take advantage of the existing shortage to manipulate prices still further, but it is doubtful if much success will ultimately attend their manoeuvres. In order to stampede prices there must be an over-sold element, which to-day has no existence at all, and the gamblers will soon tire of selling to each other. In the meantime abundant evidence is accumulating to show that the current high price is performing its mission satisfactorily. Cane-sugars, both raw and refined, are pouring into the country, and, together with Russians, are silently ousting Convention sugars from consumption. English refiners are already independent of raw beet for some weeks, and this fact is causing some embarrassment to manipulators. The magnetic influence of an extraordinarily high price is being fully demonstrated, and there is no country in the world that can possibly spare some sugar that will not send it to these shores. Consumption has been proved to be most elastic, and as soon as the preliminary accumulations of stock have been effected there is no doubt it will show a remarkable falling off, especially in those countries classed as non-statistical. Economy will become a necessity of the hour, and, combined with the attractive qualities of a high price, must lead eventually to a gradually declining level of values as the next crop is slowly approached. Cuba, which until recently promised none too well, has now received good general rains, which promise to ensure a record crop in that island. Refiners in this country, therefore, will be able to attract all their raw supplies for May-August next year from that source, while America will also dump a certain amount of granulated here. Without in any degree minimising the serious deficiency in Europe it will be found that values were put to a high level so promptly that the remedy promises to be equally speedy, and consumers need not be unduly apprehensive. No doubt many statistical theorists will come forward to demonstrate the probability of an entire absence of any stocks whatever at the end of this campaign, but such predictions are the familiar accompaniment of crop failures, being generally falsified by events. There may also be spasmodic efforts by speculators to advance their favourite counter now and then, but in the long run the supply will inevitably come to satisfy the reduced demand. It will be well for the trade to bear this in mind and, acting cautiously, to hold but moderate stock."

To this we may add that Russia has had a splendid beet-crop this season, and if she should be successful in inducing the Brussels Convention to allow her to export 400,000 tons in the year ending August 31, 1912, in excess of the amount of 200,000 tons at present allowed—the principal of which has been conceded by the Convention—then such supplies would materially assist in alleviating the present stringency. The ultimate decision on this point will not be known until December 8, and its success appears to be contingent on the Russian Government acquiescing in the proposal of the Convention to renew the agreement for another five years. At the recent meeting of the Convention the Russian member explained that his country had more than 500,000 tons of sugar in stock which was being held up, and of course some method will have to be found of putting this surplus or part of it on the world's

markets; what quantity will be released from this source for Great Britain is unknown. Another factor in the situation which may help to relieve matters is the anticipated record Cuban crop. Last season that island produced 1,700,000 tons of cane-sugar, and it is anticipated, according to present prospects, that the crop available in January onwards will exceed that of the previous year by 200,000 to 300,000 tons. The Java crop, which will be completed this month, is expected to yield 1,200,000 tons, or about the same as last year. India, however, is one of the chief absorbers of Java sugar, her imports in the year ending March 31, 1911, from that source being 438,000 tons out of a total of 739,000 tons imported from all sources, but within the past two years large quantities of this Java sugar have been re-exported from India to Europe in response to the high rates obtainable; some 60,000 to 80,000 tons of Java sugar have been shipped to Europe this year. It is a curious and singular fact that although the Continental sugar bounties were abolished eight years ago, the contribution of the West Indies to the world's supply of cane-sugar has remained practically stationary—at about 5 per cent. The fact cannot be denied that before the abolition of bounty-fed sugar, the commodity was cheap and abundant in the United Kingdom. To-day the consumer pays 23d. per lb., whereas a decade ago (prior to the sugar-tax) it was selling at 14d., which represents a sum of twelve millions sterling to the food bill of this country.

The Egyptian Laboratories.

THE present struggle among the Powers for possession of territory in the North of Africa gives special interest to the peaceful and progressive methods which prevail in Egypt under British protection. The latest evidence of this which comes to us is a report of work done in the Egyptian Government Laboratories during 1910, a report which is on somewhat similar lines to that of Dr. Dobbie, Principal Chemist of the Government Laboratories in London (*C. & D.*, September 16, index folio 447). Indeed, Mr. Alfred Lucas, F.I.C., F.C.S., Principal Chemist of the Egyptian Laboratories, was in the Clement's Inn Passage Laboratories before he went out to Egypt on account of his health, but there was nothing further from his intention than to set up an Egyptian "Somerset House," as our British laboratories are still called. Chance threw Mr. Lucas into touch with the chief of the Geological Survey, who retained his services for chemical examinations of ores, etc. The necessity for analysing building materials for the Ministry of Public Works led to the establishment in 1899 of the Survey Department Laboratories, and events have since proved that the step taken was important and sound. Like the proverbial grain of mustard-seed, the chemical work grew and expanded. In 1902 a Physical Section was added for the testing of cement, bricks, stone, etc. The following year saw a photometric room fitted for the examination of the gas supplied for the public lighting of Cairo. The few samples which trickled in from other departments of the State gradually increased, and with this expansion came "consulting work," so that merchants now send samples with their fees. From 122 samples analysed in 1899 to 4,330 in 1910 indicates not only the rate of growth, but also the growing confidence of the Egyptian Government in the work of its chemical director. "Any attempt to assess the value to the Government of the work done in the laboratories is most difficult" (Mr. Lucas says), "but the fact that of the materials either offered or actually delivered to various Government

Departments approximately 40 per cent. are adulterated or of very inferior quality, is some indication of the necessity for the work. . . . Experience proves that the only safe and economical method of buying is to buy against a specification and to make sure by analysis that the article supplied is equal to that specified." It also appears that goods rejected once have been re-presented after a certain interval of time had elapsed, but only to be again rejected more emphatically. The presence of up-to-date cement analytical rooms has come as a disagreeable surprise to those whose goods have been condemned. In dealing with the examination of olive oil, beeswax, paper, and other articles used in the Ministry for Finance, Mr. Lucas again refers to the fact of goods not being up to sample. He mentions one point of interest to exporters—viz., the bad packing and inadequate markings of samples submitted for tender. How varied and interesting is the work undertaken the following note shows :

"In connection with the archaeological survey of Nubia the work previously commenced on the black preservative materials used by the ancient Egyptians in embalming was continued, and various samples of wax and mummy cloth were also examined. It was found that some of the black preservative material resembling pitch was wood-pitch and probably cedar-wood pitch, but that most of it was resin, gum, or gum-resin apparently blackened by age and exposure, and that in no case was it mineral pitch. The wax was found to be beeswax, and the wrapping-cloths, which included one prehistoric cloth, were all of linen."

The supposition that bitumen was used in preparing the Egyptian dead for immortality is traditional, but has been questioned. Leaving the mounds of ancient Egyptians and the bitumens of Judea, we come in the report to something more modern in the examinations of Nile water and sewage. The whole time of one member of the chemical staff was devoted last year to drainage considerations—filters, filtering media, etc. The fixing of a standard for butter or butter-fat has proved a difficult task, and has necessitated the milking of goats, sheep, cows, and buffaloes in the presence of the analyst, who himself turned dairymen and churned his own butters. Mr. Lucas refers to gross adulteration of butter-fat, as much as 80 per cent. of coconut oil being mixed with it. The Ministry of War Department sent to the laboratories samples of caustic soda, olive oil, cottonseed oil, etc. Complaint is made of the lowness of the flash-point of petroleum. Owing to numerous thefts of petroleum on the State railways. Mr. Lucas adopted the expedient of "ear-marking" with a characteristic colour, and so he stopped the thefts. In many other directions the laboratories are proving of value to the Egyptian people as well as to the Government Departments. There was tribute to this a few months ago, when Mr. Lucas communicated an exhaustive paper on hashish to the Scientific Society of Cairo, as a valedictory presidential address, and several speakers testified to the excellent work he is doing for the country.

Drugs and Hypnotism.

The treatment of disease by suggestion is not likely, says Professor Münsterberg in his work on psychotherapy, ever to supersede drugs. Suggestion, whether hypnotic or ordinary, has its uses; many purely nervous disorders it may entirely cure, and in other cases it may be a powerful adjunct to medical treatment; but it can never heal a diseased bodily organ: whatever effect it has there is secondary and accidental. The pain of toothache, for instance, may be relieved, but the tooth itself remains as it was. Suggestion may, too, cause a general feeling of betterment without producing any real improvement in the physical conditions; the removal of mental disturbance

may even result in the temporary removal of physical sensibility; the patient may be stimulated to make more out of his bodily organs than he had before known how to do; in short, suggestion, and especially hypnotic suggestion, may produce effects sufficient for the momentary purpose of quacks; but more than this it cannot do towards healing organic disease, and it may do an immense deal of harm. Of faith-healing, properly so-called, the Professor speaks with a certain respect, but this too, he says, acts within the same limits, and is liable to similar grave abuses. He refuses as a student of physical science to consider any psychical process unless it is accompanied by a parallel brain process; he affirms that we cannot have any explanation of mental states as such at all, unless we thus link them with physical processes; "subconscious facts are either not mental but physical, or they are not subconscious." Hypnotism itself is rather a state of over-attention than of sleep, and suggestion in the hypnotic state differs from that of suggestion in the normal state chiefly if not entirely in degree. There is no sharp division between the two, some people being as open to suggestion in the normal state as others in a mild hypnotic condition. The conclusion to which he comes is that the old-fashioned methods of healing still hold the field, and will continue to hold it.

Not Up in Oils.

A subscriber has sent us a letter which has been received by a medical friend in his locality from the headquarters in New York of an American nose specialty. The letter states, *inter alia*, that

"The oil of *Eucalyptus Globulus* used in — is triple-distilled and obtained from the *Eucalyptus Globulus* tree, thus avoiding the irritating and resinous quality of mixed oils usually found in the drug-trade. The oil of Ceylon cinnamon used is obtained from the root of the plant, and regularly wholesales at from 40s. to 50s. a lb., while the oil of cinnamon generally found in the trade, for prescription work, is obtained from the leaves, and wholesales at a few pence per pound."

The writer of this paragraph needs a lesson or two in materia medica, besides some familiarity with the Ninth Commandment and more disposition to practise it in business.

Drugs and Inebriety.

One of the most interesting and important phases of the care and control of inebriates, which the Prime Minister has promised shall be made the subject of a Bill in the next session of Parliament, is that having reference to drugs. Inebriety through the use of drugs claimed special attention, it may be recalled, at the hands of the Departmental Committee which considered the whole question a few years ago, and one of the recommendations made by that body was to the effect that all sellers of drugs, in common with the sellers of intoxicating liquors, should be warned against the sale of such commodities to inebriates, and that, after due warning, the supply of such articles should be made an offence within the Act. It is expected that provisions to this effect will be included in the legislation which is now contemplated by the Government. In this connection we observe that the drug-habit is again being discussed in "The Spectator." A correspondent asked in last week's issue what can be done to stop it, and suggested that a combination of medical men should be invited to give their opinion on the subject. Sulphonal, veronal, and trional are the drugs particularly referred to, and the unauthorised repetition of prescriptions containing morphine is one of the practices which the correspondent desires to see stopped.

PHARMACEUTICAL SOCIETY OF IRELAND.

Council-meeting.

THE Council met at 67 Lower Mount Street, Dublin, on Wednesday, November 1, Sir Wm. J. Baxter, D.L. (President), in the chair. There were also present Mr. D. M. Watson (Vice-President), Mr. G. D. Beggs (Hon. Treasurer), Mr. Thomas Batt, Mr. R. Blair, Mr. V. Golden, Mr. J. Michie, Mr. John Smith, Mr. P. N. White, Dr. J. A. Walsh, and Mr. W. F. Wells.

PRELIMINARY BUSINESS.

The PRESIDENT thanked the members for the honour they had, in his absence, conferred upon him in electing him to the chair for a second term of office and the kind words which had been used in that connection.

Mr. R. Bates, Hon. Secretary of the Irish Chemists' Assistants' Association, wrote withdrawing their letter of censure on Mr. Ferrall in connection with the nomination of Mr. Michael O'Donnell to the Council and acknowledging that Mr. Ferrall was within his legal right in refusing the nomination.

A communication was received from the Clerk of the Council, Dublin Castle, transmitting copy of the report of Sir John W. Moore, M.D., on the examinations. The report was referred to the Law Committee:

VARIOUS NOTIFICATIONS.

Communications were received from the following notifying changes in their address:

Kathleen M. Roberts, Ph.C., from Ivy Grove, Dundrum, to London Throat Hospital, 204 Great Portland Street, London, W.

T. Bayne, Ph.C., from 21 Duke Street, Edinburgh, to Blandfield Chemical-works, Wheatfield Road, Edinburgh.

B. J. Costello, Ph.C., to 27 Rugby Road, Ranelagh, Dublin.

J. Deery, Ph.C., from Edinburgh, to the Medical Hall, Newtown Stewart, co. Tyrone.

C. J. Farren, Ph.C., The Medical Hall, Moville, co. Donegal.

J. V. Kerr, Ph.C., from 107 Grafton Street, Dublin, to 14 Castle Street, Cork.

P. D. Larkin, Ph.C., from Dr. Grealy's, Galway, to 12 West Street, Drogheda.

G. Morewood, Ph.C., from 24 Herbert Place, to c/o Messrs. Baker & Wright, Ltd., 48 St. Patrick Street, Cork.

R. A. L. Wilson, Ph.C., to Wm. J. W. Kissanes & Co., Ltd., chemists, 7 Main Street, Tipperary.

C. A. Wray, Ph.C., to Gleninagh, Cookstown, co. Tyrone.

C. O'Neill, R.D., to 82 West Street, Drogheda (with Mr. Luke J. Healy).

J. Shillington, R.D., to Cormullagh, Dungannon, co. Tyrone.

The following wrote submitting certificates from other bodies, and were admitted to preliminary registration: James Daly, Joseph Dargan, James M. Wadsworth, and Wm. F. Whaley.

The Assistant Registrar of Deaths for the district of Belfast Urban No. 4 notified the death of Mr. Wm. Armstrong Lynass, Ph.C.

EXAMINATIONS.

Reports were received from the examiners upon the Preliminary, Pharmaceutical Licence, Pharmaceutical Assistant, and Registered Druggist Examinations, from the Law Committee, and from the House Committee. They were adopted.

The Pharmaceutical licences of Dorothea Mary Kerrigan, David James Pinkerton, James Frazer Browne, Richard Barrett Woulfe, and Herbert Douglas Heazley were ordered to be sealed.

The following examiners were re-elected: To conduct the Preliminary examination, Mr. J. Arnestadt Ray; to conduct the Materia Medica and Botany Division of the Pharmaceutical Licence examination, Dr. James S. Ashe M.P.S.I.; to conduct the Pharmaceutical Assistant examination, Mr. V. E. Hanna, M.P.S.I.; and to conduct the Registered Druggist examination, Mr. J. Dundee, M.P.S.I.

THE MEMBERSHIP.

On the motion of Mr. MOFFITT, seconded by Mr. TATE, the following were elected to membership:

James Allen, Ph.C., 14 Bow Street, Lisburn.

Wm. M. Keys, Ph.C., 23 Lawrence Street, Belfast.

R. W. McKnight, Ph.C., Carlisle Circus, Belfast.

Michael Ryan, Ph.C., 4 Winthrop Street, Cork.

Matthew B. Widdess, Ph.C., 118 George Street, Limerick.

The following were nominated for membership:

Alexander Barr, Adelaide Avenue, Coleraine.

John Flanagan, Ph.C., the Medical Hall, Buttevant, co. Cork.

Dominic Walsh, The Medical Hall, Portunna.

This concluded the public business, and the Council adjourned.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN.

Evening Meeting.

THE first evening meeting of the present session took place on November 7 at 17 Bloomsbury Square, London, W.C. The President (Mr. C. B. Allen) was in the chair, supported by Mr. E. White and Mr. R. Bremridge (Secretary). There was only a moderate attendance, those present including Mr. A. Proctor Atkinson, Mr. R. R. Bennett, Mr. J. O. Braithwaite, Mr. H. Deane, Mr. J. Wellesley Douglas, Mr. H. Finnemore, Mr. F. W. Gamble,



MR. GUYER.



MR. EWING.

Mr. E. F. Harrison, Mr. Peter MacEwan, Mr. E. M. Holmes, Mr. J. A. Jennings, Mr. F. U. Stamp, and Mr. J. C. Umney.

THE OFFICIAL OINTMENTS.

The paper which was read was entitled "Some Observations on the Official Ointments," by Mr. R. Glode Guyer, Ph.C., and Mr. W. Turner Ewing, B.A. (Cantab.). The President, in introducing the authors, said that Mr. Guyer is the son of a West of England pharmacist, and Mr. Ewing's father is well known as having filled for some years the office of Chairman of the Executive of the North British Branch. Both are connected with the firm of Duncan, Flockhart & Co., and had come from Edinburgh especially to deliver this lecture. Mr. Guyer then read the paper, the following being notes of what he said:

In an analysis of 4,000 prescriptions it was found that 10 per cent. were for ointments, and in addition there is a very large domestic demand for ointments. The changes in medicine within the last few years has affected the demand for ointments, but whereas aseptic water-dressings have tended to decrease the demand, the increased attention given to skin-diseases has to some extent neutralised this. Dealing then with fundamentals, Mr. Guyer divided ointments into absorbable or emollient and non-absorbable or non-emollient. This is the medical division; pharmaceutically the grouping depends upon the chemical and physical properties of the bases of the ointments, which are either oxidisable or non-oxidisable. The lecturer then dealt with

THE OXIDISABLE BASES

mentioned in the Pharmacopoeia. Olive oil and almond oil have similar properties from a medical standpoint; both

are absorbable to a certain extent, and both are prone to oxidation, although in some cases the medicament acts as a preservative. These oils are useful constituents of creamy bases, but they have a tendency to form fatty acids which may be injurious from the medical point of view. The bees-wax group has similar merits and demerits, and lard has unfortunately poor keeping qualities. The B.P. Monograph requires amplification to guard against the addition of olein and moisture. The last named is never such an important addition as to constitute an adulteration, but moisture has a tendency to act on the medicament and favour the formation of oleate. If one compares the colour of freshly made ointment of red iodide of mercury with one that has been kept for some time, the depreciation in colour is apparent. This is due to the formation of oleate. In the case of the ointment of yellow oxide of mercury, when lard was employed a bleaching took place on keeping. If changes occur in these cases, it is known that they also occur in ointments such as zinc oxide without giving ocular demonstration of the fact. The author said he observed that the Committee of Reference in Pharmacy do not recommend any deviation from the old cooking process of preparing benzoated lard. The employment of tincture of benzoin or benzoic acid will have obviated the present prolonged heating which is detrimental to the lard. Lard is receiving less attention from skin specialists owing to its tendency to irritate the skin. Dr. Walker, of Edinburgh, told the lecturer that he avoids the use of lard wherever possible. Yellow wax is only employed to raise the melting-point of ointments, although formerly it was the important constituent of a group of cerates. The use of spermaceti is rapidly decreasing; it is now only employed in rose-water, spermaceti, and capsicum ointments. It gives a crystalline appearance to the ointment and raises the melting-point. The lecturer did not agree with the B.P. monograph that spermaceti has "little odour." It has no medicinal value.

NON-OXIDISABLE BASES.

Dealing next with the non-oxidisable bases, the introduction of the paraffin series has, said Mr. Guyer, revolutionised the art of pharmacy. The paraffins as ointment bases are ideal in many respects. They can be compounded to yield ointments of various melting-points and physical conditions which are neutral, non-irritating, odourless, and stable. They are only slightly absorbable, but this objection can be overcome by combining with an absorbable base. Wool-fat, which introduced great changes in the preparation of ointments, has established itself as a reliable and highly important product, quite stable and readily absorbable. It is absolutely neutral to salts and oxides and takes up 30 per cent. of water. The chief objection to it is its odour and sticky consistence, the latter only applying to the anhydrous condition. Care should be taken that wool-fat contains the correct amount of water, as samples have been found to show only 23 to 25 per cent. It would be better to reduce the B.P. requirements to 25 per cent. In regard to saponaceous bases, which at one time had a vogue, these are now never used. Casein bases only survive in certain popular toilet preparations.

ABSORBABILITY OF OINTMENTS.

The lecturer then stated that, although much has been written regarding the absorbability of fats, he had been unable to find any definite information on the subject. Dr. Gardner, of the Royal College of Physicians, Edinburgh, has, however, allowed him to have access to some unpublished work he has been doing on the absorbability and penetrative power of ointment bases, which he was permitted to quote. The skin of the guinea-pig was employed in this research, a definite quantity of a basis mixed with an aniline dye being rubbed into a certain area. After the injunction the animal was killed and a microscopical examination made of a section of the skin to find out the depth to which the ointment had penetrated. The most absorbable base was goose-fat; then followed in order olive oil, hydrous wool-fat, anhydrous wool-fat, and petroleum-jelly. The difference in the absorbability was, however, microscopical; in every case the penetration was very slight and never extended to the bottom of the hair-follicle. From this the author concluded that the qualities of absorbability and penetration, which have been much insisted upon, are not so important as they have been thought to be. Paraffin bases, which are held to be non-absorbable, are very largely employed by dermatologists, as the following analysis of prescriptions shows: Paraffin basis, 115; wool-fat, 79; lard, 10; soft soap, 1; lead-plaster, 1. The author suggested that it would be better to provide in the B.P. a series of bases so that the prescriber could then choose his basis and medicate it as desired. This would get over the present difficulty that a dermatologist experiences when the medicament he desires to employ is official but combined with an unsuitable base. The official paraffin ointment is an excellent firm protective basis, but it was suggested that a softer variety might be recognised which could be made by reducing the hard paraffin by 10 per

cent. Wool-fat or wool-fat and glycerin is a good oleaceous base, and rose-water ointment answers the requirements of an emollient base. The author considered that spermaceti ointment embodies all the undesirable features of an ointment, especially if not freshly prepared. The ointments were then considered seriatim.

Boric-acid Ointment.—This is the most popular ointment both from the manufacturers' and retailers' point of view. There is no difficulty, if care be exercised, in producing a really beautiful ointment. As a rule, however, the B.P. directions to employ paraffin ointment are not followed, and if the melted ingredients of paraffin ointment are poured upon the cold boric acid in a cold mortar a hard knotty mass is produced which is difficult to deal with. Some hold that two ointments of differing consistence should be provided. The author pointed out that the footnote to paraffin ointment, permitting the variation of the proportions of the paraffins, should be made more definite, instead of leaving the matter to individual tastes. In an analysis of 1,000 replies as to the consistence of boric-acid ointment 200 mentioned the need of a creamy or plastic ointment, and the author considered a modified form would be beneficial.

Carbolic-acid Ointment.—There is a difference of opinion as to the medicinal value of this ointment, although from the bacteriological standpoint the ointment prepared with glycerin was found to give the greatest evidence of activity. The question of whether the ointment should be prepared with glycerin or water is one upon which definite pharmacological information is wanted; from a pharmaceutical point of view glycerin is not a good substance to mix with a paraffin base.

Rose-water Ointment.—This is a classic preparation, nearly every pharmacist having a formula which he considers the best. The recipe in the B.P. is a miserable one, and is an ambitious attempt to produce an ointment with a preponderance of water. It has no stability, because if all the rose-water is combined it quickly exudes. From 40 to 50 per cent. of the water can be rubbed out with friction, but using 4 oz. instead of 7 oz. of rose-water a stable ointment is produced whose equilibrium is not disturbed by friction. With 5 oz. an ointment that sweats is produced. The author exhibited the following table giving the proportions of the ingredients of published formulæ:

	B.P.	1	2	3	4	5	6
Rose-water ...	37	76	20	16	25	43	31
Waxes ...	15	20	26	24	20	13	12
Almond oil ...	48	54	54	60	55	44	57

Another table was shown which was employed as a basis for building-up an ideal cold-cream with 40 per cent. of rose-water. The proportions of wax started with 5 per cent., and increased progressively to 25 per cent. the while the almond oil was decreased from 55 to 35 per cent. The test was the amount of water that could be separated by friction from the finished product, the one containing rose-water 40, waxes 10, almond oil 50, being the one which stood this test best, only 4 per cent. being separated. The author decided, however, that an ointment containing 25 per cent. of rose-water is a good average, and it was gathered that preference was expressed for a basis of paraffin wax, paraffin oil, and anhydrous wool-fat.

Belladonna Ointment.—This is stated by some to be too potent, but as there is an enormous amount of negative evidence it would be better not to alter the strength. It was not considered advisable to subject the liquid extract of belladonna to so much heat, and it was suggested that if the extract is reduced one-half to dissipate the alcohol a smooth ointment would be obtained by using hydrous wool-fat and paraffin oil.

Capsicum Ointment.—This as an imitation of a popular proprietary article is a failure. The recipe originated in the formulary of the British Pharmaceutical Conference. The objections to it are that the proportion of oleo-resin in capsicum is very variable and the product alters in keeping. A paraffin basis would be more suitable.

Gall-and-opium Ointment.—As gall ointment is never employed *per se*, this ointment should be prepared direct from galls, opium, and benzoated lard. The use of extract of opium has sometimes been advocated in this ointment, but there is not sufficient mandate for the change, and, besides, the logical conclusion would be to use also tannic acid in place of the galls.

Lead Acetate and Lead Subacetate Ointments.—These, being so much alike, are an unnecessary duplication of an ointment of a restricted area of utility. The glycerin in the lead subacetate ointment is open to the pharmacological objection that it is liable to irritate the skin, and it is incompatible with a paraffin base.

Hamamelis Ointment.—A most useful ointment and much in demand, but its reputation is not merited from the formula. The fluid extract is only mechanically held by the wool-fat, and oozes out. Glycerin of starch could take the place of the water in the fluid extract, and the hydrous wool-fat be then added.

Yellow Oxide of Mercury.—Intended for the use of ophthalmologists, but unofficial formulæ have greater superiority. The use of the dried oxide is a wrong conception and can never produce a smooth product. The original idea of Pagenstacher and Hoffmann was to use a freshly precipitated oxide with paraffin jelly. The moisture in the oxide should be estimated, and the proportion of base added accordingly.

Iodine Ointment.—This is a good recipe, but the popularity of the ointment is on the wane, owing to the introduction of the stainless type of ointment. A formula for the newer product could be introduced if warranted by its medical properties.

Potassium-iodide Ointment.—This is obsolete.

Resin Ointment.—Mainly used in domestic medicine, and better leave well alone.

Zinc Ointment.—This should be left alone. There is, however, a steady demand for a zinc ointment with a paraffin base combined with an antiseptic. Under the name of antiseptic zinc ointment one could be introduced containing zinc oxide 10 per cent., phenol 2 per cent., with a soft-paraffin base.

Ophthalmic Ointments.—It was suggested that a subsection could be devoted to these. They are a class by themselves and require special treatment.

THE RELATIVE DEMAND FOR OINTMENTS.

Mr. Guyer then dealt with the question of the retention or deletion of the existing ointments, and placed before the meeting the following table of the relative demand based upon sales to medical men chiefly in the United Kingdom within the last three years:

Boric acid	1,000	Red oxide of mercury	20
Zinc oxide	575	Belladonna	20
Ammoniated mercury	337	Conium	20
Sulphur	222	Lead acetate	17
Spermacereti	120	Salicylic acid	17
Mercury nitrate		Chrysarobin	13
(dilute)	90	Tar	12
Yellow oxide of mercury		Iodoform	10
Carbolic acid	70	Iodine	10
Resin	64	Capsicum	7
Gall and opium	58	Eucalyptus	6
Mercuric nitrate		Lead iodide	6
(strong)	58	Potassium iodide	6
Zinc oleate	50	Lead carbonate	4
Compound mercury	46	Sulphur iodide	4
Hamamelis	28	Stavesacre	3
Glycerin lead subacetate		Calomel	2
... ..	21	Red iodide of mercury	2

It was suggested that those ointments which showed a demand not exceeding ten in the above table should be omitted. Capsicum and iodine, which come under this rule, might be retained, as their fall in popularity is due, the first to a defective formula, and the second to the use of stainless preparations. The decay of stavesacre ointment is due to the introduction of more efficient products. Dr. Wild (*C. & D.*, July 29, index folio 144) proposes to delete conium ointment, but it only requires the addition of boric acid to make a useful product. Dr. Wild also bans lead-acetate ointment, but this is only a personal opinion, whereas the table referred to deals with the experience of several thousand practitioners. It might be advisable to introduce a new group of paints with an oleaceous base of the Lassar's paste type.

EXPERIMENTAL WORK.

This part of the paper was dealt with by Mr. Ewing, who stated that he had made all the samples in small quantities at the dispensing-counter, employing the usual utensils of the pharmacy. He had made experiments to show the influence of oleate in zinc ointment with the following results:

1. Zinc oxide and benzoated lard—a dull, short ointment was obtained.

2. Zinc oxide, lard, and water—a white, longer and smoother product.

3. Zinc oxide with 3 per cent. of water, benzoated lard, and 1 per cent. of oleic acid—a beautiful white ointment.

Another experiment, which consisted of heating ammoniated mercury with oleic acid and filtering, gave the filtrate containing mercury. This showed that combination had taken place with the oleic acid.

THE DISCUSSION.

The President, after referring to the practical nature of the paper, said that dispensers have to overcome many difficulties at the dispensing counter on account of the haphazard prescriptions that are there encountered. Forty years ago spermacereti ointment was the one most sold. This was then replaced in popularity by zinc ointment, this being helped by the frequency with which it was ordered by Erasmus Wilson. Zinc ointment is now being abandoned in favour of boric-acid ointment, which is an excellent ointment if properly made. It requires much

skill in the making. It used to be said that the test of a good pharmacist was the manner in which he prepared his cold-cream. The name unguentum Galeni recalled the antiquity of cold-cream. It is used as an ointment basis sometimes, and he recalled a case in which in the space of five weeks 2 cwt. of an ointment of this class was supplied to one patient. Carbolic acid separates from the ointment and occasions bad results in consequence. Goose grease was at one time a popular domestic remedy, and in his (the speaker's) pharmacy there is still a jar labelled "ol. anseris."

Mr. HOLMES said he had no doubt the Edinburgh chemists were loth to let such a paper come south. It is of the practical style of which not many are seen nowadays. He did not quite understand upon what principle guinea-pigs were employed in the penetrability test. The skins of men and animals differ very much, and for the matter of that the skin of different men varies. The depth of absorption in the skin is not all that is required, the physiological test of such an ointment as belladonna would be a better guide. The stainless iodine ointment in his own case when applied to a wart produced a discoloration which travelled about in the skin.

Mr. BENNETT, in the course of his remarks, said that there is no doubt a difficulty in preparing paraffin ointment in the B.P. quantity, and this has led pharmacists to send to wholesale houses for milled ointments. There is a growing demand for sterilised ointments, and some directions for this process might be included in the B.P. He had been accustomed to make ointments sterile by melting the ingredients in a closed tin and shaking till cold. He asked whether the authors had had any experience with carbolic acid ointment made by combining the phenol with camphor. This seems an unobjectionable proceeding.

Mr. GAMBLE said it is rare to find a well-produced boric-acid ointment in the examination room. His experience was that in London, at any rate, there is not such a stand against lard as there evidently is in Scotland. Lard is rather favoured, as it promotes activity; the paraffin basis has had the opposite effect in such cases as ammoniated mercury. Mercurial ointment, he noticed, was not referred to; it is largely used and of great activity. He did not agree with the guinea-pig test, and also spoke of carbolic, gall, and conium ointments.

Mr. UMKEY said there is one point about the table of the relative demands for ointments. Those shown are from a wholesale house, and the less demand for some of the ointments may be because of the ease with which some of them can be compounded in the pharmacy.

Mr. FINNEMORE said the table is certainly not in accordance with his experience. At Guy's Hospital, for example, the most largely employed ointment is yellow oxide of mercury, which, besides its use in ophthalmic work, is a general antiseptic.

Mr. DOUGLAS said he still made mercuric nitrate ointment. His father made it of a firmer consistence and supplied it retail in squares. He (the speaker) did not know what his father used as the stiffening agent. He found carbolic-acid ointment better if made with olive oil in place of glycerin. Resin ointment sometimes turns out hard, and he would like to know if it should be stirred or allowed to remain till cold.

Mr. WHITE suggested that the difficulty of mixing paraffins of low and high melting-points could be met by the introduction of a paraffin of an intermediate m.p.

Mr. GUYER, in reply, referred to the guinea-pig tests as being relative only. Dr. Gardner, who made the tests, was probably alive to the difference in the skins of animals. Monkeys would doubtless be better for the tests, but they are more expensive than guinea-pigs. The combining of phenol and camphor would be an ingenious way of obtaining neutrality in carbolic-acid ointment, but it would need the sanction of medical men before the practice could be adopted. He agreed that ammoniated mercury ointment made with lard would be more useful all round. The objection to soap basis is its macerating effect on the epidermis, due to the continued effect of the alkali on the skin.

A vote of thanks was moved to the authors, and after it had been acknowledged, the President announced that at the next evening meeting Mr. G. C. Druce will give a lantern lecture regarding his recent travels in Japan.

CHEMICAL SOCIETY.

A MEETING was held at Burlington House on Thursday, November 2, Professor M. O. Forster, F.R.S. (Vice-President), in the chair.

The first communication read was by Drs. F. B. Power and T. Callan, of the Wellcome Chemical Research Laboratories, on the constituents of

THE SEEDS OF CASIMIROA EDULIS.

This is a rutaceous tree of Mexico and Central America with a pulpy and edible fruit which is largely consumed as a food, and it is popularly supposed to possess mild hypnotic or sedative properties, but the seeds have been stated to be deleterious or even poisonous. The Mexican Pharmacopœia recognises both the fruit and the seed of the Casimiroa under the title of "Zapote blanco," stating that the fruit is used as an anthelmintic, and the seeds, when roasted and powdered, are employed as a vulnerary. The seeds have been investigated in Mexico and Europe, and it has been variously stated that they contain an alkaloid, a glucoside which, however, was only obtained as an amorphous product, and, most recently, a so-called "gluco-alkaloid," but no definitely characterised substance has hitherto been isolated from them. The authors procured fresh seeds directly from Mexico, and the kernels were separated from the dry, fibrous shells, which constitute about one-fifth of their weight. Preliminary tests indicated the presence of a considerable proportion of an alkaloid in the kernels, as well as an enzyme. For complete chemical examination 37 kilograms of ground kernels was completely extracted with hot alcohol, the greater portion of the alcohol removed, and the resulting thick extract distilled in a current of steam. A small amount of a pale yellow essential oil was thus obtained, which possessed an agreeable aromatic odour. It had sp. gr. 0.9574 at 20°, and opt. rot. $\alpha_D -2^\circ 25'$ in a 25-mm. tube. From the water-soluble portion of the extract there were isolated: (1) A new alkaloid, *casimiroine*, $C_{21}H_{29}O_4N_2$ (m.p. 196°-197°), of which the aurichloride and picrate were prepared; this alkaloid, on heating with alkalis, hydrolyses with the elimination of carbon dioxide, yielding a new base, *casimiroitine*, $C_{23}H_{22}O_7N_2$ (m.p. 171°); (2) a new alkaloid, *casimiroedine*, $C_{17}H_{21}O_5N_2$ (m.p. 222°-223°), of which the aurichloride was prepared; and (3) benzoic acid, with a trace of salicylic acid. The aqueous liquid also contained a quantity of sugar, which yielded *d*-phenylglucosazone (m.p. 205°). The portion of the extract insoluble in water consisted of a soft, oily resin, from which the following compounds were obtained: (1) *Sitosterol*, $C_{27}H_{48}O$; (2) *ipuranol*, $C_{23}H_{38}O_2(OH)_2$; (3) a mixture of fatty acids, consisting of palmitic, stearic, oleic, linolic, and linolenic acids; (4) a new lactone, *casimiroid*, $C_{21}H_{28}O_6$ (m.p. 229°-230°), which yields a new hydroxy-acid, designated as *casimiroic acid*, $C_{23}H_{28}O_7(OH).CO_2H$ (m.p. 207°); from this acid there were prepared the silver and copper salts, methyl ester, and acetyl derivative; and (5) a yellow phenolic substance, $C_{11}H_{12}O_4$ (m.p. 215°-218°), which also appears to be a new compound. Drs. Dale and Laidlaw administered the fresh kernels, the enzyme or protein material, the complete alcoholic extract, and such of the constituents of the latter as might be assumed to possess physiological activity to small dogs, but in no case could any specific action be observed, and there was particularly no trace of narcosis or hypnotic effect.

THE SYNTHESIS OF HYPAPHORINE

was the subject of the next paper by Professor van Romburgh and Dr. Barger and was read by the former. Hypaphorine was first isolated by the late Dr. Greshoff from *Hypaphorus subumbrans*, a tree grown for shade in coffee gardens in Java. The authors find that tryptophan on treatment with methyl sulphate takes up two methyl groups giving rise to the corresponding betaine which is identical with hypaphorine. Tryptophan has been synthesised, consequently a complete synthesis of hypaphorine has been accomplished.

Society of Chemical Industry.

London Section.

A MEETING of this section took place on November 6 at Burlington House, Piccadilly, W., Mr. E. Grant Hooper in the chair. The Chairman briefly welcomed Dr. Messel, the new President of the Society, this being his first public appearance since his election. Dr. Messel acknowledged the congratulations at a later stage of the proceedings. The evening was devoted to a paper by Dr. E. G. Acheson, of New York, on

DEFLOCCULATION AS AFFECTING LUBRICATION.

Dr. Acheson is the discoverer of a method of making artificial graphite in the electric furnace, and as a lubricant it is put on the market as "aquadag" and "oildag." The word "dag" is made up of the initials of the words "Deflocculated Acheson Graphite," and the inventor uses the word deflocculated to express the fact that the graphite has been so treated that it remains in suspension in a watery or oily medium without separation. Dr. Acheson told the audience how he came to make his discovery. It began with his failure to utilise American clays as binding materials for incorporation with electrolytic graphite, and this led him to consider the difference between residual and sedimentary clays, to which latter class the European clays imported by the United States belong. It appeared improbable that the mere fact of suspension in water could account for the superiority of the latter, and he therefore tested the effect of various organic substances dissolved in water with the idea of simulating the effect of those washed from forests into rivers. It was found that by treatment of clay with dilute solutions of gallo-tannic acid much less water was required to produce a given degree of fluidity than if water alone were used, and that the tensile strength and plasticity were increased. Systematic experiments confirmed this observation, and it was found that the tannin was removed from solution by the clay. The strength of briquettes formed from clay so treated was more than 200 per cent. greater than that of the same clay untreated. The use of straw extract suggested by reading Exodus v. was found to yield equally good results, the clay so treated being called "Egyptianised clay." The beneficial effects of organic matter on clay were confirmed by other workers who experimented at the author's request, and it was found by microscopical examination that clay so treated becomes deflocculated. The application of the method of deflocculation, thus indicated, to graphite followed. Flocculation of particles suspended in the deflocculated state is caused by electrolytes, such as acids, salts, alkalis, etc., this being shown to the meeting experimentally. This fact furnishes some explanation of phenomena, such as the formation of mudbanks and deltas at the mouths of rivers. Here the sea-water has an action bringing about "the union of small particles into granular aggregates or compound particles," which is the author's definition of flocculation, deflocculation being the reverse of this. The graphite in the deflocculated condition is found to be in a true colloidal state, the particles being in rapid motion and of a size estimated at 75-millionths of a millimetre, or 3-millionths of an inch, whereas particles of ordinary finely disintegrated graphite are one thousand times as great. The author considers that the particles are actually molecules. The author then considered the application of "aquadag" to lubrication and stated his conviction that as mineral oils had replaced vegetable oils, so "aquadag" would in twenty years have replaced mineral oils. A number of testimonials were read showing the varied and extensive employment of graphite lubricants. An interesting discussion followed, in which one speaker referred to Indian ink and vermilion as probably being made by a process which produces deflocculation. In replying to the discussion, Dr. Acheson said that freezing flocculates the graphite at once. Referring to his belief that the grinding of the graphite with gambier in his process reduces the graphite to molecules, Dr. Acheson mentioned that during the grinding an aromatic odour is given off and a clear liquid condenses which he conjectures may be graphite in a state beyond the molecular.

WINTER SESSION.

Association Presidents.

THE Newport and Monmouth

Pharmacists' Association has elected to the presidency Mr. Alfred Gratte, of the firm of Messrs. H. J. Gratte & Son, wholesale and export chemists, Newport and Cardiff, a business established in Newport by Mr. H. J. Gratte in 1856, the year in which his son Alfred was born. It is an interesting fact that the new President's grandfather was a native of Normandy, and held a command under Napoleon Bonaparte, taking part in the battle of Austerlitz, being one of the few who returned from Moscow. He was decorated with the Legion of Honour. Mr. Alfred Gratte was educated at Newport and at Weston College, Bath, and passed the Minor examination in July 1891, when he joined his



MR. A. GRATTE.

father in the business of which he became proprietor on his father's death. It is one of the oldest shipping chemists' businesses in Wales, and is notable in having attached to it a department dealing with the importation of Havana and Mexican cigars.

Brief Records.

Sheffield Chemists' Athletic Club.—The officers of the Club for the present year have been elected as follows: *President*, Mr. Louis B. Henderson; *Vice-Presidents*, Messrs. G. Davies, A. Knowles, and H. R. Fletcher; *Treasurer*, Mr. H. B. Hammond; *Hon. Secretary*, G. F. H. Coates, 152 Sharrow Lane, Sheffield.

York Chemists' Association.—A meeting was held at the Old George Hotel on November 1. There were present Messrs. F. C. Hey (President), J. A. Lupton, G. E. Walker, W. Sowray, W. C. Birks, F. A. Newey, and T. C. Atkinson (Hon. Secretary). The President gave a *résumé* of his interview with Mr. W. J. Uglov Woolcock. It was decided to have a whist-drive and dance on November 23.

Great Yarmouth Pharmaceutical Association.—A meeting was held at 156 King Street, Yarmouth, on Thursday, November 2, at 8 p.m. The President (Mr. T. J. Woodcock) was in the chair, and Messrs. T. B. Male, Harvey Palmer, H. E. Goddard, W. G. Poll, and A. E. Richmond were also present. They discussed the Insurance Bill. Mr. Male promised a paper of pharmaceutical interest for next month.

Stockport Pharmacists' Association.—A meeting was held on November 1, the following members being present: Messrs. Bowden, Wilson, Watson, Royse, Orrel, Stabler, Taylor, H. Arnfield, F. O. Arnfield, and A. E. Mills. The following office-bearers were elected: *President*, Mr. F. H. Bowden; *Vice-Presidents*, Mr. J. C. Arnfield and Mr. R. T. Forbes; *Hon. Secretary*, Mr. A. E. Mills. It was decided to have the annual dinner on Thursday evening, December 14.

Dewsbury Pharmacists' Association.—At the meeting on Monday evening, November 6, the President (Mr. A. B. Barker, Heckmondwike) was in the chair, and Messrs. R. Gledhill, G. N. Gutteridge, and G. Butterfield (Dewsbury), J. Day (Savile Town), J. Rhodes (Mirfield), S. N. Pickard (Ossett), R. Broadhead and H. Mortimer (Batley), W. Blakeley (Birstall), H. Jones (Morley), and R. J. H. Day (Hon. Secretary) were also present. Most of the business was transacted privately. Mr. Jones reported an interview with Mr. Gerald Francee, M.P., in regard to the Insurance Bill.

Manchester and North of England Optical Society.—A meeting was held at the Albion Hotel, Manchester, on November 1, Mr. J. C. Kidd (the President) in the chair. There was a long discussion in regard to the practice at the Manchester Royal Eye Hospital of confining the supply of spectacles to one firm. This is considered unfair to the general body of sight-testing opticians, seeing that the hospital is supported by voluntary subscriptions and contributions from public bodies. Several of the speakers urged that the least the Board of Management could do was to make it quite clear to patients that they may have their prescriptions dealt with by opticians in their own locality, or by any other qualified optician they may select. Other speakers demanded that the existing system should be abolished altogether, and

arrangements made by which opticians generally may have a share of the work. The latter part of the evening was taken up by Mr. L. L. Lieberman, who read a paper on "Phorometrical Observations."

Liverpool Optical Society.—Mr. W. A. Wynne, the first President of this Society, occupied the chair at the opening meeting of the session, held on November 2 in the Common Hall, Hackins Hey, and delivered an inaugural address. He said the greatest problem they had to face is State recognition. This will come, he declared, but only when they are in a position to approach Parliament with a united front. It is deplorable that instead of one representative body speaking for them all, they should be frittering away their energies in considering the claims of rival factions. The difficulties, even when united, will be great enough when they seek legal recognition. Still, that is their goal, and it means solid, hard work before they attain it. The first step is to put their house in order, then they will be the better prepared for self-protection and the attack on the enemy. Mr. L. Moreton Parry, the Hon. Secretary, informed several inquiring members that the premium on the insurance policy issued by the National Federation of Ophthalmic Opticians, to which the Liverpool Society is affiliated, is 12s. 6d., which insures a member up to 1,000.

Edinburgh Chemists' Assistants' and Apprentices Association.

—The opening meeting of the session was held at 36 York Place, Edinburgh, on November 1, with the President (Mr. Edward J. Brown, Ph.C.) in the chair. The Secretary (Mr. George Mackie, jun.) reported that the four botanical excursions and the summer meeting had been distinctly successful. Mr. T. Stephenson presented the Dick Botanical prize to Mr. Gilbert Etchells, of Boots, Ltd., and Mr. Donald McEwan presented the Ewing Pharmacy prize to Mr. Robert Spottiswoode Morpeth, engaged at the pharmacy of Mr. Thomas Stephenson. The President's address dealt with *Neglected Pleasures in Pharmacy*. Mr. Brown said pharmacists have vast fields for reflection, their simplest operations having scientific principles involved. The lecturer then treated in detail the physical aspect of many common pharmaceutical operations. Below is an outline of the topics taken. The tiniest particle of an "impalpable" powder is made up of millions of molecules, which in turn are composed of atoms, and research has suggested that the atom itself is made of a large number of component parts called electrons. The operation of weighing is simply measuring the earth's attraction for the body weighed. The mortar is a machine in which the ingredients form the resistance—the mortar the fulcrum and the pestle the lever. Hence the advantage of a long pestle in a pill-mortar. In making an emulsion the cohesion due to surface tension and gravity has to be overcome, while emulsifying-agents are colloidal. Information in regard to solutions, including isotonic solutions, colloidal solutions, and osmosis, concluded the paper. On the motion of Mr. David Murray, a vote of thanks to the President was carried with acclamation.

A Conference of Pharmacists, arising from a suggestion of Mr. Clarke (New Tredegar) to the Pharmaceutical Society, was held in Newport on Thursday, November 2. The original idea was that Mr. Glyn-Jones should attend, but his presence in the House of Commons being imperative at the time he would have been at Newport, the Society sent Mr. Woolcock in his place. Nearly fifty pharmacists assembled in No. 2 Committee-room of the Newport Town Hall. Mr. A. Hagon (Cardiff) presided, and the chemists present were Messrs. A. Gratte (Newport), C. H. Clarke (Chepstow), E. J. Abel (Pontypool), Benson Harries (Newport), J. W. Richards (Tonypandy), G. T. Starkey (Senghennydd), D. Lloyd Jones (Newport), D. E. Davies (Treorehy), John Davies (Tonypandy), E. Davis (Newport), D. William Evans (Dowlais), Fred. W. Evans (Cwmfelinfach), J. Findlay (Newport), F. C. I. Wilson (Caerleon), E. J. Roberts (Abertridwr), E. Emrys Evans (Aberdare), C. Stonelake (Newport), D. Arnott (Pontypridd), E. Llewelyn Humphreys (Aberdare), A. Francis (New Tredegar), J. Mennhinick (Newport), C. C. Giles (Newport), W. Parry Williams (Bargoed), F. Clarke (New Tredegar), J. Buse (Risca), George Shelley (Newport), H. W. Jenkins (Pentre), T. J. Badgett (Newport), Owen Thomas (Tanygroes), John Roberts (Pendorren), C. B. Paine (Newport), D. E. Lewis (Mardy), D. Hyatt Jenkins (Tonypandy), A. G. Williams (Newport), A. Enoch (Blackwood), W. C. Sumption (Fleur-de-Lys), W. J. Williams (Llanbradach), Emrys Richards (Tonypandy), J. W. Phillips (Newport), and J. Williams (Llanbradach). Three hours were spent in discussion, which was chiefly in regard to the *National Insurance Bill* and the peculiarities of medical practice in the district. The afternoon was a profitable one for all concerned, thanks being especially due to Mr. Clarke, the originator of the meeting, and to the President and Secretary of the Newport Association (Messrs. Gratte and Lloyd Jones), who made the arrangements at Newport.

Hull Pharmacists' Association.—Mr. R. F. Jones presided over a well-attended meeting of members at the Grosvenor Hotel, Carr Lane, Hull, on November 7. Mr. Walton introduced a discussion on the new *poisonous substances regulations*. He pointed out that poor people bring all kinds of bottles to hold ammonia and similar liquids, and that this practice was not only against the law, but a serious danger to the customer's family and an injury to the owners of the bottles. Mr. Richardson, Mr. Walton, the Secretary (Mr. Staning), and Mr. Smith also took part in the discussion, the last-named moving, and Mr. Robson seconded: "That this meeting of the Hull and District Pharmacists' Association, after discussing the new poison regulations applying to mineral acids, etc., resolve to comply with the regulations in every detail." This was carried unanimously. Mr. Walton then moved: "That this meeting of the Hull and District Pharmacists' Association agree not to supply oils, etc., in bottles belonging to members of the Bottle Association, and that the Secretary communicate with this Association asking for their assistance in stopping this practice, and that he suggest to them that a label pointing out the penalty for improper use should be attached to the bottle." Mr. Richardson, in seconding, said that he had followed this practice of refusing to supply in other bottles in his own shop for many years. This motion was carried after it had been remarked that loss of trade followed on being strict. Mr. Sawyer then moved that a committee be formed to go into the poison question, and see that others than chemists adhered to the law. Mr. Smith seconded, observing that if they had clean hands themselves the Pharmaceutical Society would help them to get back into their shops the sale of poisons, which ought to be in qualified hands. The resolution was carried, and the appointment of the committee was deferred to a special meeting to be held on November 21.

Social Gatherings.

Leeds Chemists' Association.—There was a large attendance at the annual dinner at the Grand Restaurant, Boar Lane, Leeds, on Wednesday evening, November 8. Mr. J. H. Beacock (President) in the chair. Mr. F. Pilkington Sargeant replied to the toast of "The Pharmaceutical Society." Mr. F. C. Long proposed "Kindred Associations," to which Mr. D. S. Priestley, of Bradford, responded. "The Medical Profession" was given by Mr. F. W. Branson, and Dr. Allan Wilson replied. "The Leeds Chemists' Association" was proposed by Mr. A. B. Barker (Dewsbury), and responded to by Mr. G. W. Worfolk. The musical portion of the programme was admirably sustained by Mr. Crawford and Mr. Whiteley.

Cinderella Dance.—The staff of Messrs. Burroughs Wellcome & Co. with their friends assembled in the Pillar Hall of the Cannon Street Hotel, London, on Saturday evening, November 4, for a dance. Over a hundred were present, and from the start to the finish the assembly was most enjoyable. The general manager of the firm (Mr. George E. Pearson, F.C.S.) acted as M.C., and thanks to him, good music, and an excellent floor, "all went merry as a marriage bell." Supper was served at small tables in an adjoining room, without speeches, and after it the dance was resumed heartily, with the Snow Hill Medley as one of the favourite items.

Chemists' Assistants' Association.—The meeting held at 73 Newman Street, London, W., on November 2, took the form of a musical and social evening, which was fully enjoyed by the company present. As is usual on these occasions part of the evening was occupied at the card-tables, and was succeeded by a musical programme. The latter included songs, etc., by Messrs. A. Johnston, H. Grange, and P. Phillips, with pianoforte selections and accompaniments by Mr. A. Haigh. In addition to the President (Mr. F. Naylor) and Secretaries (Messrs. Styles and Phillips), there were present Messrs. F. L. K. Loxley, A. R. Arrowsmith, C. S. Presant, H. Grango, E. King, B. M. Faraday, and A. Barbour.

A Dual Concert.—The Liverpool Chemists' Association and the Birkenhead and Wirral Chemists' Association held jointly a smoking-concert in aid of the Pharmaceutical Benevolent Fund at the Bear's Paw, Liverpool, on Thursday, November 2. Sir Edward Evans occupied the chair, and was supported by Messrs. J. Rymer Young, W. Gowen Cross, C. Symes, Ph.D., A. C. Vallance (Manchester), H. M. Ashton (Warrington), D. J. Bailey (Blackpool), T. H. Winstanley (Wigan), W. A. Wynne, G. V. C. East, A. S. Barr, H. Humphreys Jones, T. Stephen Jones, C. W. Cooke, P. H. Marsden, W. Wellings, H. F. Gaylor, R. S. Paterson, F. C. Cooling, C. H. Sturt, J. H. Battley, Ashworth, Baughan, Billington, Burden, Chalmers, Clothier, Cole, Cotton, Dodsley, Egan, Elder, Froggall, Grant, J. M. Evans, J. Hardy, Hay, Holdon, M. Hughes, H. Lomax, Lloyd,

H. Jackson, J. D. McIntyre, Nicoll, Nemes, Nall, Nixon, Gould, Anderton, O'Neill, Pickering Jones, Pott, E. Prebble, W. Pickles, Berrill, Polglase, Potts, Pierson, Rutter, Schumacher, Sendall, F. R. Smith, Snow, Stephenson, Stevens, Tharratt, F. Walker, Welton, Whalley, White, Woods, and Yeomans. The artistes were Messrs. Arthur Weber, Geo. R. Day, T. Halton Morris, R. Nairn, R. Brown, H. M. Ashton, Wilton Warton, Arthur Frame, and Harry Watson, with Mr. Geo. Freeman as accompanist. Mr. Sam Vickers directed the performance. Sir Edward Evans, referring to the object of the concert, said that the whole of the proceeds would be devoted to the Benevolent Fund without any deduction, and that the two Associations were defraying all expenses as in previous years. Mr. Cross made a strong appeal on behalf of the fund, in the administration of which he has been intimately associated for a long period. The Chairman afterwards announced that a sum of over 25/ had been realised by the concert, which constituted a record for what had now become a recognised annual event for the district. Mr. Young, in a short speech, proposed a vote of thanks to Sir Edward Evans, and Mr. A. C. Vallance seconded. The excellent and varied programme was thoroughly enjoyed by an appreciative audience of 170. Dr. C. Symes proposed a vote of thanks to the artistes, who had striven so well to make the evening the most successful both socially and financially that the joint Associations have held.

Presentation to Mr. W. Huntrods.—A pleasant little ceremony took place at the Hôtel de Ville, Leeds, on Wednesday evening, November 8, when the Council and members of the Incorporated Society of Pharmacy and Drug-store Proprietors of Great Britain, Ltd., paid tribute to the work rendered on behalf of the Society by Mr. W. Huntrods, the President. The members had subscribed liberally to provide a suitable gift for Mr. Huntrods, and the present took the form of a handsome oak cabinet of office drawers and an old English oak secretaire bearing the inscription, "Presented to W. Huntrods, Esq., November 1911, by the members of the I.S.P. and D.S.P. of Great Britain. Founded in 1904." The Council's gift consisted of a gold Waltham lever watch, which was also suitably inscribed. A good deal of interest was taken in the first certificate of the Society, which was on view, made out in the name of the President. The certificate is tastefully designed, and representations given in the artistic border are of first-aid, photography, the materia medica, optics, botany, dispensing, dentistry, and pharmacy law. Councillor M. S. Whittaker, of Accrington, presided at the meeting, and among others present were Messrs. J. H. Sutcliffe (managing director of Sutcliffe & Co., Ltd.), J. Crane (Oldham), Machin Chambers (Bolton), Chadwick (the Society's solicitor), and a large number of local members. The Chairman said there had been times in the past when they had passed through somewhat troublous times, but now, thanks to the work of those at the head of affairs, they had now got into a very good position. The incorporation of their Society had been a very substantial benefit to them, and lent considerable weight to any action which they determined upon. Doubtless the incorporation had had something to do with the reception of the deputation from the Society at the House of Commons on Monday. They were not asking for anything unreasonable; they were merely asking for the proper recognition of their organisation and their business. (Hear, hear.) Mr. Huntrods, the President, had naturally taken a leading part in the work of that body, and they all highly appreciated the very valuable services which he had rendered. (Applause.) Mr. Huntrods, in expressing his thanks, said it was twenty-one years since he first identified himself with work likely to be of benefit to his fellow-traders. (Hear, hear.) This year had marked the incorporation of that Society. He hoped it might also mark another very important move, because they had every reason to believe that they would ere long be officially recognised by the State in connection with the National Insurance Bill. (Applause.) Mr. Bedford, Mr. C. Child, Mr. Chadwick, and Mr. A. Dobson (Secretary) also spoke appreciatively of Mr. Huntrods's services. The remainder of the evening was devoted to a smoking-concert, the artistes who sustained the programme being Messrs. J. R. Addyman, H. Ather, J. Scott, Crosswaite, G. Nelson, A. Dobson, and J. Fowler.

"Pharmaceutical Formulas."

A new edition (the eighth) of this popular book of recipes for chemists and druggists has just been published. It contains a great deal of new matter and new formulas, extending to over a thousand pages. It can be obtained at the C. & D. Office, 42 Cannon Street, London, E.C., for 10s., by post 10s. 6d., or from any of the wholesale houses at the published price. "Xrayser II," writing about the book, says: "I sometimes wonder what we used to do before its first appearance thirteen years ago."

BIRTHS.

HOLDEN.—At 960 Middleton Road, West Chadderton, Oldham, on October 31, the wife of Edward H. Holden, pharmacist, of a daughter.

METCALF.—At Portelet, Newbury, on October 24, the wife of H. R. Metcalf, Ph.C., F.S.M.C., of a daughter.

TRENEER.—At 600 West 163rd Street, New York City, U.S.A., on October 1, the wife of J. Maurice Treneer, Ph.C., of a daughter.

MARRIAGES.

BENNETT—OFFORD.—At the Presbyterian Church, Ipswich, by the Rev. E. J. Gilchrist, M.A., B.D., on November 4, Ernest Henry George Bennett, chemist and druggist, second son of the late Joseph Bennett, chemist and druggist, Clarence Road, Bristol, and of Mrs. Bennett, of 4 Meridian Place, Clifton, to May Edith Offord, third daughter of the late Charles Offord, of Hemingstone, Suffolk, and Mrs. Offord, of Blenheim Road, Ipswich.

JONES—DAVIES.—At Peniel Congregational Church, Aberayron, by the Rev. T. Gwilym Evans, on October 31, William Jones, chemist and druggist, Aberayron, to Hannah, youngest daughter of Mr. and Mrs. W. Davies, Ashburnham Road, Pembrey.

DEATH.

WILKS.—At Hampstead, on November 8, Sir Samuel Wilks, aged eighty-six. Although retired from medical practice, Sir Samuel was well known on account of the reputation he had created during his active life. He was connected with Guy's Hospital during most of his medical career, and filled the office of President of the Royal College of Physicians in 1890. He was created a baronet in 1898.

PERSONALITIES.

Notes for this section sent to the Editor should be authenticated, and must not be in the nature of advertisements.

MR. RICHARD T. SIMPSON, chemist, North Road and Church Street, Lancaster, has won the miniature rifle competition promoted by the Lancaster Rifle Club. He made the highest possible score of 100.

MR. JOHN CHRISTIE, chemist, Fordsburg and Langlaagte, Transvaal, who has been on holiday at home since the end of August, sailed, along with Mrs. Christie, by the *Armada Castle* on November 4.

MRS. CORNISH, the wife of Mr. John R. Cornish, chemist and optician, 384 St. Ann's Road, Harringay, London, N., was last week awarded a silver medal (the highest award) for bread at the Food and Cookery Exhibition.

COUNCILLOR C. E. FOX, J.P. (W. Fox & Sons) the "triple" Mayor of Bethnal Green, was at the last meeting of the Council accorded a unanimous vote of thanks which is to be engrossed on vellum and presented to him.

MR. J. V. MAINPRIZE, chemist and druggist, was initiated at Bridlington on November 1 an honorary member of the Order of Foresters in recognition of the practical welcome given during his Mayoralty to the High Court of Yorkshire on their recent visit to the borough.

MR. EDWIN THOMPSON, one of the five delegates to the United Drug Co.'s convention in Boston, Mass., was in London on Thursday, and he spoke enthusiastically to a C. & D. representative regarding this his most recent transatlantic visit and predicts a big future for the Company in this country.

MR. H. C. BEDDING, hon. secretary of the Chemists' Assistants' Union, states that he has received a large number of communications regarding cheap female labour, all of which it is impossible to answer. He considers however that the "greatest question of all is the qualified man who gives his services to cover the stores, thereby preventing other men from opening a pharmacy of their own."

MR. THOMAS J. BARRATT, Chairman of the directors of A. & F. Pears, Ltd., has purchased the deck-log of H.M.S. *Victory*, which was about to be offered for public auction. The log-book contains particulars of the death of Lord Nelson written at the time. Mr. Barratt has long been a Nelson enthusiast, and he has in his house at Hampstead a room made up of pieces of wood from Nelson's old ships; he is also the owner of the famous silver service presented to Lord Nelson by Lloyd after the battle of Copenhagen, as well as the Prize List of the *Victory*. Some years ago Mr. Barratt presented Nelson's buckles to Greenwich; and his Nelson dinner parties on October 25 have become an annual institution.

WILLS PROVEN.

MR. FREDERICK FARMER, "Susvance," Gordon Road, Shoreham, retired surgical-instrument maker, who died on May 20, left estate of the gross value of 4,256*l.*, of which the net personality has been sworn at 141*l.* 18*s.*

MR. JOHN WARMALL SHAW, 4 Edwardes Terrace, Kensington, chemist and druggist, who died on October 4, aged sixty-five, left estate of the gross value of 4,705*l.* 8*s.* 9*d.*, of which 1,468*l.* 18*s.* 4*d.* is net personality.

MR. GEORGE ROOKE, Moorside, Sale, Cheshire, formerly of Messrs. J. & G. Rooke & Co., chemical manufacturers, who died on July 18, aged eighty-two, left estate of the gross value of 1,336*l.* 2*s.*, of which 253*l.* 10*s.* is net personality.

MR. JOHN JEKYLL, Castle Moat House, Lincoln, chemical-manure manufacturer, and one of the original members of the Society of Chemical Industry, who died on July 26, aged eighty-six, left estate of the gross value of 41,089*l.*, with net personality 23,703*l.*

POISONING FATALITIES.

FIFTEEN deaths have been reported during the week as being due to taking poison. In three instances they were taken accidentally.

Carbolic Acid was used for suicidal purposes by Kate Maud Cooper (49), the wife of a Surbiton picture-frame maker; Ethel Turner (18), miner's daughter, Whittington Moor; and Caroline Mary Taylor (30), shop cashier, Tottenham, London, N. A young woman, who was boarding at a lodging-house in Guildford Street, London, W.C., as Miss Russell, governess, was found dying in bed from carbolic-acid poisoning. The inquest was adjourned for purposes of identification.

Chlorodyne.—At Manchester, Pacifico Levi (37) intentionally ended his life by taking this poisonous preparation.

Diachylon.—Mary Sale, of Anfield, Liverpool, died from lead-poisoning due to taking diachylon as an abortifacient.

Hydrochloric Acid caused the "death by poisoning" at St. Thomas's Hospital, London, of an American visitor named Charles Wm. Ceffna.

Laudanum.—"Death by misadventure" was the jury's verdict at the inquest on Ed. Joseph Dean (35), labourer, Pentonville, who died in the Royal Free Hospital, London, from narcotic-poisoning. It was not known how deceased had become possessed of the poison.—John Hughes (69), joiner, Colne, died in consequence of taking an overdose of laudanum.

Narcotic-poisoning was responsible for the death of William Rupp (18), apprentice with Mr. Wm. Glaholm, chemist and druggist, East Boldon. Dr. Armstrong said at the inquest that deceased had probably taken opium in some form or other.

Potassium Cyanide caused the death of Ellen Boon (24), parlour-maid, Great Beddow.—At Coventry, George Talbot Weaver (25) committed suicide by taking the same poison.

Prussic Acid.—"Suicide while temporarily insane" was the verdict recorded at the end of the inquiry into the death of Victor Roseveare Foot (17), apprentice to Messrs. Pearce & Elford, chemists, 16 Boscawen Street, Truro. Foot had taken prussic acid. Mr. T. Mitchell Elford, chemist and druggist, deposed that as an apprentice deceased had access to poisonous drugs. It was not usual to keep the poison in question under lock and key, but in a closed cupboard, apart from other drugs. Deceased was a little near-sighted, and that morning measured an ounce of a preparation, and instead of putting eight drachms he put nine. Witness told him always to check his measures, and he thereupon put some back into the bottle. It had happened several times. There had been no unpleasantness between witness and deceased.—The same verdict was returned at the inquest on Wm. Henry Terry (38), of Southport, who also poisoned himself with this lethal agent.

Strychnine.—At Downpatrick, co. Down, a woman named Mary Fitzpatrick (62) purposely ended her life by taking strychnine. At the inquest Mr. Roden Johnston, Ph.C., said that he sold the poison to deceased for destroying vermin.

TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, London, E.C., November 9.

SO far as the drug-trade is concerned, business is extremely quiet, but the heavy chemical markets at the various centres continue brisk, both on home and export account. The Board of Trade returns for October are eloquent testimony in this respect. The numerous changes which have occurred are mostly of minor significance. Among fine chemicals the chief alteration is another advance in santonin, which in some quarters is being regarded as "overdone." Morphine remains very firm, and it would not be surprising if the price further advanced before the end of the year. Eserine is reported to be 3*d.* dearer. Creosote ex beechwood and tartar emetic are cheaper. Cocaine is firm and in rather more inquiry. Quinine is the turn easier, and thymol is offered at very low rates. Menthol is a dead letter. In drugs, several of the American "domestics" have advanced; these include senega, wahoo, and wild-cherry barks, culvers, and lobelia. Hydrastis is cheaper, being more freely offered. Castor oil is steady, copaiba firmer, and colocynth-pulp in demand. Tonquin musk is higher. Mogador orris is scarce and wanted, Florentine being firm and dear. Among essential oils, new crop lemon oil is offered at easier rates, but both bergamot and orange oils remain firm, especially the former. Some of the principal French oils, such as lavender spike, geranium, and rosemary, are tending higher; other changes in this section include easier rates for cumin and cubeb oils, while croton and cardamom oils are higher. American wormseed oil is dearer. The fluctuations are as under:

Higher	Firmer	Easier	Lower
Anise oil (Eng.)	Copaiba	Cubeb oil	Coe a butter
Croton oil	Lobelia	Cumin oil	Creosote
Eserine	Rose-petals	Hydrastis	ex beechwood
Red lead	Senega	Lemon oil	Glycerin
(foreign)	Wahoo bark	(new crop)	(dynamite)
Santonin	Wild-cherry	Quinine	Pepper
Tragacanth	bark	(sec. hands)	Quicksilver
			(seconds)
			Tartar emetic

Cablegram.

NEW YORK, November 9:—Business in drugs is quiet, opium is dull at \$7.75; peppermint oil remains easy at \$2.90. Copaiba has advanced by 2c. Hydrastis (golden seal) is easier but not quotably lower at \$5. Cartagena ipecac is firm at \$2.25. Jalap is easy at 33c. Tolu balsam is steady at 50c., and cascara sagrada is quiet at 9c.

London Markets.

ACETATES.—The price of acetate of lime for next year's delivery has been advanced, as was anticipated, and all acetates will gradually be raised to their proper parity, this, of course, including acetic acid.

ALMONDS.—At auction 247 boxes Jordan offered and 40 sold at from 7*l.* to 8*l.* 15*s.* for bold to extra bold, and 5*l.* for small.

ALOES.—The arrivals comprise about 100 boxes Curaçao, also 15 kegs Socotrine.

ANISE OIL.—The scarcity of Russian seed has led to an advance of 2*s.* 6*d.* per lb. in English oil distilled from that description, the list quotation being 15*s.* 6*d.* per lb. *Star anise* oil is still quoted 6*s.* spot (possibly 5*s.* 10½*d.*), and from China 5*s.* 3*d.* c.i.f. is wanted for November-December shipment.

BALSAM TOLU.—Business has been done at 2*s.* 3*d.* per lb., but 2*s.* 6*d.* is generally asked, for either small or large tins.

BENZOIN.—The arrivals comprise 26 cases of Palembang, but no Sumatra.

BERGAMOT OIL is very firm, with a continued scarcity of good quality on the spot, such being worth from 22*s.* to 24*s.* per lb., and for new crop the quotations are nominal at from 20*s.* 6*d.* to 21*s.* c.i.f.

BUCHU.—The *Walmer Castle* has brought 11 packages, of which six are for New York and five for London. Market is quiet, with sellers at last auction rates.

CAMPHOR.—China crude is quiet, the spot value being 155*s.* with retail sales.

CANTHARIDES.—Of Chinese nothing is now available under 1*s.* 4*d.* per lb.

CARDAMOMS.—There have been practically no arrivals this week, and with a fair consumptive demand the outlook is for higher prices.

CARDAMOM OIL.—The advance in cardamoms has led to a corresponding rise in the distilled oil to the extent of 6*d.* per oz., the current quotation being 4*s.* per oz.

CASTOR OIL.—Steady. Hull make of first pressing is quoted at 30*l.* per ton in barrels for last half November-December, and 28*l.* 5*s.* for January-June 1912, delivered free on wharf; pharmaceutical quality is 50*s.* per ton extra. Belgian firsts is 30*l.* 10*s.* for November-December in barrels, ex wharf London. In Liverpool the value of good seconds Calcutta is 35½*d.* to 3½*d.* per lb.

CINCHONA.—At the bark auction held at Amsterdam on November 2, 10,773 packages were offered, of which 9,105 packages sold at the average unit of 3.07c. per half-kilo., against 3.12c. at the previous action, and 3.01c. at the corresponding sale of 1910. The bark contained the equivalent of 59,267 kilos. quinine sulphate, of which 49,506 kilos. sold the following being the chief buyers: (1) The English and American factories, 16,731 kilos.; (2) the Brunswick factory, 6,152 kilos.; (3) the Mannheim factory, 5,259 kilos.; (4) the Amsterdam factory, 3,833 kilos.; (5) the Frankfurt and Stuttgart factories, 4,383 kilos.; (6) the Maarsse factory, 4,858 kilos.; (7) various buyers, 8,470 kilos. The prices paid for the manufacturing bark ranged from 5½c. to 35½c., and druggists' descriptions from 4½c. to 36c. The coca-leaves practically all sold at from 10c. to 75½c. per half-kilo. The shipments from Java to Europe during October amounted to 1,534,000 Amst. lb., against 1,064,000 Amst. lb. in 1910 and 1,360,000 Amst. lb. in 1909. The total shipments from January to October have been (Amst. lb.): 1911, 13,840,000; 1910, 15,096,000; 1909, 13,041,000; 1908, 12,932,000.

CITRIC ACID remains unchanged at 1*s.* 5*d.* per lb. for foreign and 1*s.* 5½*d.* for English.

CLOVES.—At auction nothing offered. Privately, Zanzibar are lower, the sales including December-February and January-March shipment at 4½*d.*, and March-May at 4½½*d.* c.i.f./d.w.; for January-March delivery 5½½*d.* c.i.f. has been paid. Spot is quoted 7½*d.*

COCAINE remains firm with rather more inquiry; makers quote 8*s.* 9*d.* per oz. less 5 per cent. for hydrochloride in contract quantities.

COCOA-BUTTER.—At the Amsterdam auction on Tuesday 138 tons Van Houten's sold at 80.11c., against 98.50c. last sale.

COD-LIVER OIL is a quiet market at from 110*s.* to 115*s.* per barrel c.i.f. according to brand. From Bergen our correspondent writes that the market is nominal in the absence of business, at 11*s.* 6*d.* c.i.f. for finest non-freezing Norwegian oil. The total exports from all Norway up to the end of October amount to 32,500 barrels, against 30,200 barrels at the same date of 1910.

COLOCYNTH-PULP.—A very fair business has been done, and nothing is now available under 6½*d.* for dullish and 7*d.* for fair.

COPAIBA shows a firmer market in London, Hamburg, and New York, the spot quotation for filtered Maracaibo being 1*s.* 11*d.* per lb.

COPPER SULPHATE is steady and unchanged at 19*l.* 17*s.* 6*d.* to 20*l.* per ton for ordinary Liverpool brands for prompt delivery, and at 20*l.* 10*s.* to 20*l.* 15*s.* for January-April.

CREAM OF TARTAR is steady at from 87*s.* for 98-per-cent. and 85*s.* for 95-per-cent. powder.

CREOSOTE (BEECHWOOD).—One of the German makes has been reduced 6*d.* per lb. to 2*s.* 6*d.* in 28-lb. lots, and to 2*s.* 4*d.* in 55-lb. lots.

CROTON OIL.—The English pressers have advanced their list price by 9*d.* per lb. to 5*s.* 6*d.*, as seeds are not to be had.

CUBE OIL has been slightly reduced by English distillers, who now quote 15*s.* 9*d.* per lb.

CULVERS ROOR is 1*d.* per lb. higher at 7½*d.* c.i.f. to arrive.

CUMIN OIL has been reduced by 6*d.* per lb. to 16*s.*

DRAGON'S-BLOOD.—Thirteen cases fine Singapore reboiled lump have arrived, also 6 cases pickings, and 21 cases so-called Zanzibar drop.

ERGOT is firm, with Russian offering at 5*s.* and Spanish at 5*s.* 3*d.* on the spot; to arrive, Russian is quoted 4*s.* 7*d.* to 4*s.* 9*d.* per lb. c.i.f. and Spanish at 5*s.* c.i.f.

ETHER SULPHURIC has been advanced 1*s.* 6*d.* per cwt. to 59*s.* net for 0.725, and to 64*s.* 6*d.* for 0.720.

EUCALYPTUS OIL is steady, ordinary B.P. offering at 1*s.* 2*d.*, and for high-testing B.P. 1*s.* 3*d.* is asked. A small parcel said to test 87 per cent. eucalyptol is on the way.

GAMBOGE.—All the cheap lots have been cleared off, and the lowest price for barely fair Siam pipe is now 12*l.* up to 13*l.* being quoted for good. Four cases fair Siam pipe have arrived.

GERANIUM OIL.—The quotation for African has been advanced to 20*s.* per lb. net.

GINGER.—At auction 401 bags Cochin offered and 41 sold without reserve at 69*s.* 6*d.* to 70*s.* for good small. C. cut washed rough Cochin was bought in at 46*s.* per cwt.

GLYCERIN.—The fact that dynamite glycerin has declined to 70*l.* per ton has further accentuated the weak tone of the market on this side.

GUAIACUM.—Five cases have arrived.

GUM ACACIA.—Soudan is steady at from 50*s.* to 52*s.* 6*d.* per cwt. for fair to good half hard sorts; for arrival probably 46*s.* c.i.f. would be accepted for January-February shipment. Senegal is unchanged with very little offered to arrive, the nearest value for Bas de Fleuve being 48*s.* per cwt. f.o.b. Bordeaux. Supplies of East Indian gums are scarce, especially good Aden sorts, which now meet with a ready sale.

HYDRASTIS.—As the result of freer offers from primary sources spot is now obtainable at 21*s.* per lb. net.

INSECT-FLOWERS.—Quotations from Trieste are slightly easier than last week at from 150*s.* to 155*s.* per cwt. c.i.f.

IPECACUANHA.—Quiet, with 9*s.* 6*d.* per lb. quoted for all descriptions, with the possibility of 3*d.* less leading to business. The arrivals comprise 20 bales of Minas and Matto Grosso. A report has been current for some weeks past that 47 bales East Indian are on the way, but it lacks confirmation.

LEMON OIL.—The new crop for December-March shipment is offered at the easier rates of from 4*s.* 9*d.* to 4*s.* 10*d.* to 5*s.* per lb. c.i.f., and for prompt shipment old crop is quoted 5*s.* 8*d.* to 5*s.* 9*d.* c.i.f. London. Spot oil is somewhat scarce at from 6*s.* 3*d.* to 6*s.* 6*d.*

A Palermo advice dated November 4 reports an unaltered market so far as spot is concerned. What few orders there were for prompt shipment brought full market values. In new crop there has been less activity on the part of local speculators, and the position is again easier. Considering the frequent fluctuations and the large interests at stake this season on the part of bull speculators, growers are not easily induced to make concessions. Old crop is quoted

5*s.* 8*d.*, and new crop for forward shipment 5*s.* per lb. c.i.f. London.

LOBELIA HERB is fully ½*d.* per lb. higher at 4½*d.* per lb. c.i.f. to arrive, the nominal price on the spot being 5*d.*

MENTHOL.—In the present unsettled condition of the market, there are neither buyers nor sellers, consumers holding aloof. The spot price is therefore somewhat doubtful, possibly a 5-lb. tin might be had at 25*s.* to 26*s.* Early in the week Kobayashi-Suzuki for January-March shipment sold at 16*s.* 6*d.* to 17*s.* 6*d.* per lb. c.i.f.; March-April at 15*s.* 6*d.* c.i.f., and oil at 6*s.* 6*d.* c.i.f. There are now buyers of January-March at 17*s.* c.i.f. and sellers of January at 18*s.*, with oil at 7*s.* c.i.f.

MILK SUGAR.—Although the previous high prices are still ruling for small lots for early delivery, we learn on the best authority that cheaper supplies will be forthcoming later, as a Continental maker who has not been operating for some time past will shortly commence manufacturing again. Buyers should therefore not commit themselves for forward delivery.

MORPHINE.—The makers are now quoting 12*s.* per oz. for the hydrochloride powder, but probably a shade less would be taken for a limited quantity.

MUSK.—Tonquin pod is dearer, business having been done in pile I. thin blue skin at 72*s.* 6*d.* per oz., an advance of 5*s.*, and old style pile I. at 58*s.* Russian Cabardine is steady at 19*s.*, and of China no supplies are available.

MYRRH is steady at from 55*s.* to 60*s.* for ordinary Aden sorts, and at about 55*s.* for Somali sorts.

OLIBANUM.—Fair sales of drop have been made at 41*s.* for middling, 25*s.* for garblings, and 20*s.* to 21*s.* for siftings.

OPIMUM.—The primary markets remain very firm and in higher tendency. For 11½ per cent. 25*s.* 6*d.* c.i.f. is quoted, and for a limited quantity of 10½ per cent. 24*s.* is asked. The autumn sowings, which should now have been completed, have been considerably interfered with by drought, and this fact gives a very stiff attitude to Smyrna dealers, some of whom predict a 30*s.* market later. It is difficult to buy opium on the spot, and the nominal price for Turkey druggists is from 25*s.* to 26*s.* for a limited quantity, and of Persian there is practically nothing offering either spot or to arrive, holders being off the market.

A Smyrna correspondent writes on September 27 that buyers came forward again this week, but sellers asking higher figures no opium to speak of changed hands. Only three cases of new Yerli sold at 26*s.* 6*d.* for the U.S.A., and one case old secondary quality at 21*s.* The continued drought encourages holders to ask extreme prices, and, to give them their due, even shippers consider the situation very precarious, for if copious rains do not fall within the next ten or fifteen days we must reckon upon a short crop of opium next year. The winter and spring sowings are generally very uncertain, usually short in quantity, and always poor in intrinsic value. The arrivals in Smyrna since the opening of the season amount to 863 cases, against 3,724 cases at the same period last year.

The U.S.A. import-duty on Persian opium is the question of appeal by Merck & Co. from an assessment of the New York Customs, who classified the product as "opium dried," with a tax of \$2 per lb. The importers maintain that the article is "opium crude and unmanufactured," dutiable properly at \$1.50 per lb. At the hearing, the processes undergone by the opium in Persia before it is in a condition to be shipped were described in detail. The opium is gathered from the farmers in small and irregular quantities, and gradually assembled in bulk by the exporters at Ispahan. At this place and at other points the opium is spread on boards to dry in the sun. When it is sufficiently dried to permit of transportation it is cut into cakes or bricks, and shipped in that form. It was testified that crude Persian opium does not, as a rule, contain over 10 per cent. of water. The opium in question contained about 10½ per cent. of morphine. The importers claim that the opium is not "dried" in the sense contemplated by the tariff, inasmuch as the drying was done by natural means, and not scientifically. The hearing was adjourned.

ORANGE OIL.—Sicilian is firm at from 7*s.* to 7*s.* 3*d.* c.i.f. for new crop to arrive.

A Palermo advice dated November 4 reports that, in spite of the quiet trade, a certain firmness is apparent; in fact, it has been impossible to do business at the lowest figures quoted for new crop, and what little business has been done

a small premium had to be paid. New *Sweet* for forward shipment is quoted 7s. 3½d., and bitter 7s. 9d. per lb. c.i.f.

ORRIS.—Mogador is scarce and wanted, both here and on the Continent; Florentine is firm, the value of fair sorts to arrive being about 42s. per cwt. c.i.f. terms.

PEPPER.—At auction, greyish Singapore was bought in at 5½d.; privately market lower, with fair business, including January-March shipment of Singapore at 4½d. and Lampong at 4½d. c.i.f. d.w.; spot sellers, Singapore, at 5½d. Singapore *White* pepper in auction sold without reserve at from 6¾d. to 7d. for common mixed blacks; good Saigon sold at 8d., and fine Ceylon at 8½d.; privately, arrival market is lower, sales including January-March shipment at 7¼d. c.i.f.; spot price is 7½d. for Singapore.

PEPPERMINT OIL.—After a quiet week slightly more inquiry is reported at the close; further sales of Kobayashi have been made at 7s. 9d. spot, and for January-March or March-April shipment 7s. is quoted with buyers at 6s. 9d.

OXALIC ACID rather firmer at from 2½d. to 2¾d. per lb. net, delivered free London.

QUICKSILVER.—The chief importers' price is unaltered at 8l. 10s., but the margin between that and the second-hand price continues to widen, closing sellers at 8l. 4s., or 2s. cheaper since last.

QUININE.—The market is fractionally easier in second-hands, German sulphate offering in bulk at 6¾d., Amsterdam at 6½d., and Java at 6¼d. per oz.

The exports from Germany during the eight months ending August were as follows:

	1909	1910	1911
Kilos.	103,200	128,030	131,800

RED LEAD.—Foreign is 5s. per ton dearer at 17l. 15s. per ton, and English is unchanged at 18l. English *white* is quoted 20l. 5s. to 20l. 15s.

ROSE-PETALS.—French are higher at about 3s. 2d. per lb.

SAFFRON is steady at from 40s. to 42s. per lb., according to quality.

SANTONIN.—Another advance of from 2s. to 2s. 3d. per lb. was announced on Wednesday, making the quotations from 57s. 9d. to 63s. 6d. per lb. net, the lower price being for 2-cwt. lots in one delivery.

SARSAPARILLA.—The arrivals comprise 11 bales genuine grey Jamaica, 3 bales red native, and 12 bales Mexican.

SEEDLAC.—At auction 27 bags ordinary dullish Karachi sold at from 40s. to 43s. per cwt.

SENEGA.—There is nothing now obtainable under 2s. 6d. per lb. net on the spot, which price has been paid.

SHELLAC.—At auction 213 cases second orange were sold without reserve at easier rates than those asked privately; fine strong, slightly matted, realised 75s. to 76s.; good palish from 73s. to 74s., fine pale second orange 70s. to 71s., good pale second, slightly reddish and matted, 68s. Privately the market is quiet, with small sales on a basis of 65s. for fair TN Orange; business has been done in TN for December-January shipment at 63s. c.i.f., and sellers of AC Garnet quote 60s. c.i.f. Futures are practically unchanged on the week, the sales including December at 65s., March at 66s. 6d., and May 68s., closing on Wednesday at 67s. 6d. value for May.

TARTAR EMETIC is cheaper, pure crystals or powder in 1-cwt. kegs offering at 8¾d. per lb.

TARTARIC ACID is steady at 1s. 0¾d. for foreign and 1s. 1d. for English.

THYMOL continues to be offered at very low rates—viz., 3s. 10d. per lb. c.i.f. terms.

TRAGACANTH.—Many descriptions are from 10s. to 20s. per cwt. higher, especially fine druggists', for which up to 17l. 5s. per cwt. has been paid. Desirable qualities are now in small compass, and arrivals are taking place very slowly owing to the troubles in Persia.

TURPENTINE.—American improved 1s. to 35s. 6d. at the end of last week, but has since declined to 34s. 3d. on the spot and for December delivery.

WAHOO BARK OF ROOT is from 1d. to 2d. per lb. higher at 2s. net, either spot or to arrive.

WILD-CHERRY BARK is dearer, business having recently been done at from 4d. to 4½d. per lb. net, but 4¾d. is now asked.

WORMSEED OIL.—American is dearer at from 21s. 6d. to 22s. per lb., according to quantity.

Manchester Chemical Market.

November 7.

The tone in the market for heavy chemicals has been extremely steady, and good business is reported on both home and export account. A good business has also been put through on contract account over next year's delivery. Fifty-eight per cent. ammonia alkali is quiet at 4l. to 4l. 5s. per ton, and soda-crystals 50s. per ton free on rails. Bleaching-powder is firm for both prompt and forward. Sulphate of copper is firmer at 20l. 2s. 6d. to 20l. 10s., delivered Manchester. Arsenic, quiet. Caustic potash quiet; 75 to 80 per cent., solid, 19l. 10s. to 19l. 15s., ex store, Manchester. Electrolytic liquid, 50° Bé, 11l. 5s. c.i.f. Goole, and 88 to 90 per cent. solid, 22l. to 22l. 10s. f.o.r. Goole-Hull, all net cash. Carbonate of potash is scarce on spot; German, 90 to 92 per cent., is 16l. 5s. to 17l. 5s. c.i.f. U.K. ports; Russian, 90 to 92 per cent., 15l. 10s.; Hull, 15l. 17s. 6d. at Liverpool, and 16l. 5s. f.o.r. Manchester, ready on spot, all net cash. The decline in crude glycerin continues, and 80-per-cent. can now be bought in Marseilles at 47l. to 48l. per ton, while English is obtainable round 50l. Distilled is well held and does not share in the drop to anything like a proportionate extent. Pale distilled, s.g. 1.260, is offering at 90l. per ton, less 2½ per cent. f.o.r. makers' works. There is not a sign of weakness anywhere in farina; on the contrary, advanced prices have been paid for Dutch, which becomes more and more difficult to buy. German is also very firm at unchanged limits, and it is now certain that both in Holland and Germany the output will be over 50 per cent. below the average; further advances are expected. Greases are flat and neglected; brown bone, 26s. 9d. to 27s. 3d.; white bone, 29s. to 29s. 6d.; marrowfat, 29s. 6d. to 32s.; brown and white skin not offering—all at makers' works or landing-port, less 2½ per cent. In castor oil the seed-market remains steady, and a similar description can be given in regard to oil. Owing to the strike at the mills in Hull spot delivery stands at a premium. Italian green olive-oil soap is in decidedly short supply for prompt and early delivery, and consumers are experiencing difficulty in obtaining what they need. In bars, 56 to 58 per cent. afloat is quoted at 21s. 9d. to 22s. c.i.f. Liverpool, net cash.

Heavy Chemicals.

The condition of the heavy-chemical market continues much the same as recently reported. Both main and miscellaneous products are in active demand, and the tone of the market is steady. Values are mostly unaltered and firm.

SULPHATE OF AMMONIA.—The tone of this market is firm, and although, generally speaking, still quiet, there is nevertheless a fairly good demand for prompt parcels. Inquiries on forward account are perhaps rather more numerous, though not much is being actually concluded. Present nearest figures: Beckton, prompt, 25-per-cent. ammonia guaranteed, 13l. 16s. 3d.; London terms, 13l. 10s.; Leith, 14l. 7s. 6d.; Liverpool, 14l. 5s. to 14l. 6s. 3d.; and Hull, 14l. 3s. 9d.

BARIUM PRODUCTS generally are firm in tone, with good average request. As regards one of the main raw materials—viz., the mineral carbonate or witherite—offers are practically impossible, owing to mines being much behind engagements, due to strike difficulties. Blanc fixe, pure precipitated barium sulphate, in paste form, 6l. 10s. to 6l. 15s. per ton, in usual 8 to 9 cwt. casks. Mineral sulphate of barytes in brisk request at unchanged limits of 35s. to 90s. per ton, according to quality, quantity, and package. Chloride of barium, owing to very keen competition, is a shade lower at 6l. to 6l. 7s. 6d. per ton, in 8 to 10 cwt. casks. Precipitated barium carbonate in good demand, though it is a trifle irregular, varying from 5l. 2s. 6d. to 6l. per ton, in 2-cwt. casks. Crude calcined barium sulphide, 70 to 75 per cent. BaS., 5l. to 5l. 10s. per ton, in ordinary 5 to 6 cwt. casks. Hydrate of barium crystals, 12l. 5s. to 13l. 5s. per ton, in 6 to 7 cwt. casks. Fused concentrated, 56 to 60 per cent. BaO, solid, in 6 to 7 cwt. drums, 13l. 10s. to 13l. 15s. per ton; and crushed, in 3 to 4 cwt. drums, 14l. 15s. to 15l. per ton.

Continental Drug and Chemical Markets.

CARNAUBA WAX.—As there is absolutely no demand from consumers the article is decidedly depressed, and for the time being there is little prospect of an increase. The last prices quoted were m.315 per 100 kilos. for fatty grey and m.205 for current grey.

ETHER (ACETIC).—A rise of m.10 per 100 kilos. has taken place, which is attributed to the fact that a convention has been in control since February.

GLYCERIN.—Reports from Marseilles state that the recent downward movement in the glycerin market was just lately checked. Saponification material in Paris has since commanded fr.152.50 and glycerin from the lye (80 per cent.) fr.120. Heavy quantities have been contracted for on that basis, and interest for 1912 and 1913 contracts has been decidedly greater than for some considerable time past. It would, indeed, appear as if the market had touched "bottom," while it is even suggested that some further big business is not unlikely to take place shortly. Quotations per 100 kilos. for glycerin unpacked in buyers' casks to suitable European ports, for quantities of at least 1,000 kilos. in one bottom are as follows: Saponification qualities (not under 88 per cent.) on the spot and for November-December delivery 1911, fr.150 to fr.147.50; for delivery 1912, fr.155 to fr.150; and 1913, fr.145 to fr.140. For glycerin from the lye (80 per cent.) on the spot and November-December delivery this year, fr.120 to fr.117.50; delivery 1912, fr.122.50 to fr.120; and 1913, fr.110 to fr.107.50.

October Foreign Trade.

The Board of Trade Returns for October show that there has been a rapid recovery from the slight set-back of September. In imports the advance amounted to 2,804,600*l.*, equal to 4.8 per cent., while the exports of British goods increased by 5,855,100*l.*, or 15.5 per cent. The transshipment trade also shows a considerable expansion, the total increasing from 7,999,600*l.* to 8,673,100*l.* The features of the October imports included an advance in food and drink by 2,639,700*l.*, a decline of 666,095*l.* in raw materials, and an advance of 812,500*l.* in manufactured goods. In this latter section there was a decline of 57,916*l.* in the imports of drugs, chemicals, and the like, which amounted to 940,106*l.*; sulphur, tartaric acid, and miscellaneous chemicals met with the largest decline. On the export side the three great groups show the following surprising increases: (1) Food, drink, etc., 853,800*l.*; (2) raw materials, 228,600*l.*; (3) manufactured goods, 4,734,600*l.* Chemicals, drugs, etc., continue to do well the month's increase being 175,000*l.*, exports amounting to 1,873,528*l.* The figures for the past three years are as follows:

	1909.	1910.	1911.
	£	£	£
October	1,499,180	1,698,505	1,873,528
January-October ...	13,813,832	15,331,193	16,730,719

The above figures show that the increase on the ten months as compared with last year is 1,399,526*l.*, and as compared with two years ago the increase is 2,916,887*l.*, which figures must be regarded as decidedly satisfactory.

Extract of Male Fern.

It is difficult to say what the value of this "oil" is, as market rumours say it is almost impossible to obtain it in a pure condition, and on inquiry of several users these rumours receive verification, as they inform us that they have had numerous parcels condemned as containing a large amount of castor oil. We believe that really pure extract could be obtained in limited quantity at from 5*s.* 6*d.* to 6*s.* per lb., but hardly under that figure. We have made inquiries and are quite satisfied that no one in this country is responsible for the adulteration, which has been traced to its actual source abroad. We understand that a paper on the Examination of Extract of Male Fern, by Mr. Ernest J. Parry, B.Sc., F.I.C., is to be communicated to the Society of Public Analysts next month. In response to an inquiry from us, Mr. Parry states that he can give no data until the paper is read, but he informs us that the pure-type samples upon which he has been working were made by Mr. John C. Umney for him, and were placed at his disposal by Mr. Umney.

French Essential Oils.

(From the "C. & D." Correspondent, November 3.)

MYRTLE OIL.—The demand for this oil has been large this year, and as there is a great difference in quality as regards the delicacy and smell as compared with the oils distilled in Spain and Algeria, the market has become of considerably more importance, and perfumers distilled the oil on a larger scale than previously.

ROSEMARY OIL.—The autumn crop is now distilled. The great summer drought prevented the growth of rosemary, and it was not possible to work the same quantities as in previous years. Moreover, as rosemary grows in the wine provinces, where the prospects are for high prices, it was very difficult to find sufficient labour. The crop was rather poor, and prices are, of course, higher (f.1 per kilo. more as compared with last year), but the oil is much finer.

THYME OIL.—The above remarks apply also to thyme, the plants suffering from the drought, and the crop was also poor. The oil will be dearer than last year.



Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest. Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

Imperial Reciprocity.

SIR,—I am sure that many will be glad to see that the reciprocity question is on the carpet at last, and it appears to me to be only just in time. Our Society have had the Act of Parliament now in force for considerably over two years, and some twelve months ago I wrote to the Society's "Journal" about it, but the only result was, "it is being brought before the committee." In the meantime we have lost some advantages that were open in some parts of Canada. It is to be hoped, now that the matter has been taken up, that absolutely Imperial reciprocity will be established. We cannot afford to be narrow-minded in these days of vast expansion; surely there are few indeed from our lands overseas who would desire to carry on business in the Old Country, and it is very evident that there will be hundreds who are going and will be going to remote parts of the Empire. If the countries to which they go extend full advantages of practice without further examination, surely it is only right that we should do the same. In some of our Colonies the calling is carried on in a far more professional way than it is at home, and we have the evidence of our old and esteemed friend, Mr. R. C. Cowley, whose valuable contributions to pharmacy we all appreciate, that action by the home Society has been too long delayed. Being in close touch with the doings of Australasian pharmacists and with his loyalty to us at home, Mr. Cowley can give us a very accurate comparison of the examinations there and here. If we are to be guided by Sir William Ramsay, examinations are not always the best evidence of a man's ability; still, under present circumstances they are essential as a means of giving the necessary "hall-mark" to practice, and if the study has been thorough and conscientious the good will be permanent.

Liverpool, November 7.

J. G. WALLBRIDGE.

Window-dressing Competition Awards.

SIR,—It is, I am sure, most puzzling to many competitors what constitutes a first-prize window-display in any competition, and the opinion both of yourself and readers would perhaps help us towards solving the problem. I think I am right in saying that Mr. Hassall, the poster-artist, stands quite alone in style, effectiveness, and forcefulness of posters designed by him. Taking this as an ideal, should not those window-displays aiming in the same direction be at the top of the tree in prize awards? To further explain what I mean, let us suppose that a man carried out the idea of Wright's Coal-tar Soap Calendar, as given in last week's *C. & D.*, as a window-display, occupying the whole space in doing so, but with price added, and another individual filled up his window with their goods, leaving only a small space in the centre in which he put the same idea, which should score the highest prize? To my idea the former, as it would be more effective to the passers-by, because in the latter show the central idea would only be like a showcard in the middle of a lot of goods. There is unfortunately no authority on window-dressing, and I find different judges have varied opinions, that until you know what judges want you are placed at a disadvantage. Can a standard be set up or a person to act in a similar capacity? Yours faithfully,

November 7.

VERB. SAP. (225/29.)

The "Rexall" Secret.

SIR,—Our friend from the Orkney Isles has struck the idea—branded goods, and good goods, manufactured and sold by pharmacists only, all shareholders in the one company, at good profits. Why should Messrs. Robinson, Sutherland & Co. go to America for ideas to benefit British pharmacists? This business is already being done by hundreds of pharmacists in Great Britain, and if Messrs. Robinson & Co. take the trouble to investigate they will find that in "Ucal" the British pharmacist has a company already well established on similar lines.

Yours faithfully,

Sheffield, November 6.

J. GILBERT JACKSON.

[Mr. J. W. J. Turner, Ph.C., Eckington, near Sheffield, writes to the same effect.]

SIR,—Your report of "Rexall" meeting and the visit of the British delegation is full of interest to us "on this side." I cannot help thinking that in the Ucal Co. we have something similar that would suit British pharmacy better. Mr. R. A. Robinson says that he "expressed himself in favour of anything that would tend to the progress of pharmacy and draw the chemists of this country together," and he went to America to investigate the Rexall Co. I wonder if he has investigated Ucal? I feel sure that if he did he would likewise approve of this purely English attempt to better the pharmacist's lot, and draw them together by co-operation. The doors of Ucal are wide enough for Mr. Robinson, and both he and any other British pharmacist would be right royally welcomed inside. Is Rexall financed entirely by retail pharmacists as Ucal is? Has Rexall any prior claims? Can they offer any greater advantages than our English company? I have no axe to grind, my holding in Ucal is limited to one share upon which 2*l.* 10*s.* has been paid; but speaking as a rank-and-file retail pharmacist, I am confident that in this successful attempt at co-operation lies the germ that will unite those who up to now have resisted all attempts at uniting the chemists of this country.

Yours truly,

Harlesden, N.W., November 6. P. D. NOWELL.

SIR,—The information you have published with regard to the visit of British pharmacists to the "Rexall" Convention is conclusive evidence of the benefits of co-operation. These gentlemen deserve the thanks of all pharmacists for taking the trip, and as they have come back without being committed to anything definite and are desirous of supporting anything that will make for the progress of pharmacy, I should like through your columns to ask them, in the light of the knowledge and experience they have gained, to investigate what has been done by British pharmacists. The United Chemists' Association, Ltd., is an organisation composed entirely of retail pharmacists who are the sole possible owners. It has been at work two years, and although the enthusiasm of its members is restrained it is still very real. The sole object is the betterment of retail pharmacy. Everything in connection with the company, books, share-register, bank-books, and anything else they may require (except formulæ and recipes), are open to their inspection. At their option one or other of the directors would meet them at Ucal Works, or their investigation could take place as a surprise visit at any time. They would then be in a position to advise your readers. Of course, Ucal is not on the colossal scale that Rexall seems to be, but still Ucal has made some progress, and hundreds of British pharmacists are glad to say they are also Ucalites.

Yours faithfully,

HAROLD MILLER.

Chairman United Chemists' Association, Ltd.

[Mr. Chas. C. H. Cadge (Bingham) and Mr. A. E. Bolshaw (Hastings) also write in a similar strain. We have not room for the whole; but we note that Mr. Cadge says the reason why "chemists, working together on co-operative lines, are so enamoured of it is that they work for themselves, and incidentally they work for each other, since every sale of a branded article, co-operatively owned, is an advertisement not only for the chemist actually making the sale, but also for every other chemist who stocks it and other lines of the same brand." Mr. Bolshaw, in his letter, says: "Mr. Robinson's experience as ex-President of the Pharmaceutical Society will have given him ample opportunity of knowing

the poverty among chemists after hard years of close attention to business. . . . Is it not a fact that competition is already overdone without importing fresh capital from abroad to increase it? To organise to thin our ranks by assisting some of the pharmacists who would find farming in our Colonies more congenial in getting a livelihood would be more to the purpose."]

Are Plasters ever Prescribed?

SIR,—Yes, but not often north of the river Tay.

November 6.

DELTA. (227/31.)

The Glamorgan Valleys Chemists' Association.

SIR,—In your note on the respected President of the above Association in last week's *C. & D.* your reporter states that "the Association is the outcome of the Insurance Bill." Please allow me, in fairness to Mr. Hagon, of Cardiff, and Mr. Woolcock, and the Organisation Committee of the Pharmaceutical Society, to say that the Association is the outcome of a visit paid by Messrs. Hagon and Woolcock under the auspices of the Organisation Committee in April of this year before anything was known of the National Insurance Bill.

Yours truly,

M.P.S. (264/10.)

Register of Public Pharmacists and Dispensers.

SIR,—The Council of the Public Pharmacists and Dispensers' Association desires to again ask—through the medium of your correspondence columns—for the co-operation and assistance of pharmacists and dispensers in public institutions in the formation of a "Register of Public Pharmacists and Dispensers." This work is proceeding most successfully, the Council has now some 1,500 names of institutions and 680 names of pharmacists and dispensers on the register; but there are still many blank spaces requiring the names of the pharmacists or dispensers. The Council therefore asks those who have not sent in their names to the Secretary to kindly do so and thus help on this important work.

On behalf of the Council,

GEO. W. UDALE, Ph.C., M.P.S., Chairman.

JAS. HASSALL FRANCE, M.P.S., Hon. Sec.

47 Ouseley Road, Wandsworth Common, S.W.

Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among "C. & D." readers.

A Bit Premature.

"Two insurance powders, please," were asked for at the counter this week. It ultimately transpired to be Kaputine powders.—W. Deacon.

A True Story.

Small boy in Council school on being asked, "What is cod?" replied, "The cod is very useful to get the malt out of."—C. S. A. (218/61).

Appreciations.

"Although impossible to be better, THE CHEMIST AND DRUGGIST gets better and better. Sounds like an Irish bull, but I am not an Irishman," wrote a Notts chemist (257/15) on November 3.

"Chemists are getting keener in business matters every day, but I don't think they can ever obtain a better bargain than THE CHEMIST AND DRUGGIST at 10*s.*" So a Pontypridd chemist (270/13) wrote on November 9.

"I must have *C. & D.* again. Have been getting a friend's lately, but want my own again. 10*s.* enclosed." So wrote a member of the Pharmaceutical Society (G.B.) on November 2 (260/5).

Another Member of the Pharmaceutical Society (257/40), in remitting his renewal subscription to the *C. & D.*, says: "I wish prompt remittance to indicate in a small way the deep sense of gratitude I feel towards my weekly adviser, THE CHEMIST AND DRUGGIST."

Dispensing Charges.

Doubtful (225/6) writes: "I dispensed to-day for a stranger, who brought a 1-oz. dropping bottle and a chemist's type-written copy, the following prescription:

Tr. benz. co.,

Bals. Peru. aa. ʒiv .

Sig.: Twenty drops on sugar every two or three hours.

I charged 1*l.*, and the customer stated that he got it repeatedly from a chemist in the vicinity of Edinburgh for

5d. without bottle, and 6d. with the bottle. He was quite positive about it, and gave the chemist's name, which did not appear on copy. How was it done?"

Creating Shopping Centres.

An *Edinburgh Chemist* (221/69) writes: "It is no secret that business of all kinds in this city has been very bad for a long time, but, as a chemist said the other day, someone must be getting a big share, possibly the magnificently appointed establishments in the principal streets. 'I am thinking of the drapery-stores particularly,' he remarked. His idea is to induce some of his neighbours to join him in making their street a shopping centre, such as one sees even in small towns across the Border. He thinks that given a thoroughfare illuminated by a dozen or so of large arc-lamps at the expense of himself and his neighbours, the inhabitants of the district might be induced to shop in the vicinity."

Legal Queries.

Consult the Legal Advice Section of "The Chemists' and Druggists' Diary," 1911, p. 435, before writing about your difficulty.

Fraternity (224/21).—We hope to reply to your query in an early issue. It raises a new point in regard to exempted medicines.

H. Midlands (223/15).—The use of the word "specialities" in connection with the Head and Nerve Powders makes them liable to medicine stamp-duty. See *C. & D. Diary*, p. 452.

Clink (219/49).—There is nothing whatever on the label of your nerve-remedy which is contrary to the Act for the Suppression of Indecent Advertisements, particulars of which you will find in the *C. & D. Diary*, p. 459.

J. F. (265/10).—It was ruled in the case of the Pharmaceutical Society v. Mercer that the word "Pharmacy" may be employed to describe the business premises of any person, whether registered as a chemist and druggist or not. See the *C. & D. Diary*, p. 444, for particulars.

Nux and Radex (218/69).—Belladonna-plasters must certainly be labelled when they are sold—i.e., the box or wrapper in which the plasters are enclosed should bear the label required by Section 17 of the Pharmacy Act, 1868. Labelling the plaster itself does not conform with the requirements of the Act.

Window (215/55).—The information you supply in regard to the window-fixtures is insufficient, but undoubtedly the letter by itself will not prove your ownership. Strict proof will be required of the erection of the fixtures by the former tenant and also of your title to them. You must refer to the lease, as there may be a special stipulation as to fixtures.

Asperin (222/8).—You cannot get damages for breach of contract against your tenant merely because she fails to go into possession. But you will have your remedy against her if she at any time makes default in payment of her rent, and she will be liable in respect of damage done by burglars. The document purporting to be a promissory note appears to be unstamped, and is therefore invalid; but if your tenant agreed to pay half the amount expended on repairs you can recover that amount from her.

Ebor (211/47) puts this ease: A person dies, having appointed B. and C. as trustees. In the event of the death of the trustee B., has C. the power to appoint another person to act with him, or do B.'s executors or trustees become joint trustees with C.? [This depends upon the provisions of the will, but in the absence of any clause to the contrary the surviving trustee (in the event of the death of one of two trustees) can either act alone or appoint another person or persons to act with him. The executors of the deceased trustee may keep up what is known as the "chain of executors."]

Dry. (219/37).—(1) A licensed patent-medicine vendor may sell unstamped as "Head and Nerve Tablets" one consisting of 5 grains of aceto-salicylic acid and $\frac{1}{2}$ grain of starch. If any recommendation is made in respect to the tablets they must be stamped when sold by an unqualified person. A tablet such as the above is not, strictly speaking, an "entire drug" within the meaning of the Acts. (2) A lozenge containing pine oil, extract of coltsfoot, and soluble capsaicin may also be sold as "Bronchial Lozenges" unstamped by an unqualified person, but if they are labelled "Cough Lozenges" they must be stamped.

Country Chemist (217/26) asks if he can get an injunction to restrain the County Council from renewing an agricultural and horticultural poisons-licence which has been granted to a trader in his village, in which the population is about 500. If so, would "Country Chemist" have to pay

his own costs? [There is nothing to prevent "Country Chemist" taking this action, but it would have to be done by motion in the High Court, Dublin, and there is little or no chance of "Country Chemist" succeeding in his action, because the local authorities are given absolute power in this matter by the Poisons and Pharmacy Act, 1908. "Country Chemist" should make out a statement of all the facts and submit it to Dublin Castle, at the same time sending a copy to the Pharmaceutical Society of Ireland.]

Doubtful (225/22) asks: "Can an apprentice registered as such under the rules of Irish Pharmaceutical Society stand for the Apothecaries' Hall of England certificate to dispense medical prescriptions, etc., and afterwards at the expiration of four years be able to stand for qualification as a Licentiate of Pharmaceutical Society of England or Ireland, and, if he so chooses, instead of the latter, to enter for examination as a Licentiate of the Apothecaries' Hall of England or Ireland, to practise medicine and at same time to keep shop open to compound and dispense prescriptions and sell poisons, combining by so doing the business of a chemist and the profession of a medical practitioner?" [The answer is in the negative. The Apothecaries' Assistants' examination does not release a person who passes it from any of the examination conditions for qualification under (1) the Pharmacy Acts of Great Britain and Ireland, or (2) the Medical Acts. It simply authorises the person to act as an assistant to an apothecary in England (not Scotland or Ireland) in the dispensing of medicines.]

Ltd. (214/3) asks: John Blank is a registered chemist trading under his own name; he takes into partnership James Jones, also a registered chemist and dentist and optician. The business is thereupon converted into a limited liability company. Is it legal to adopt the name of—

John Blank & Co., Ltd., Chemists, Druggists, Dentists, and Opticians, John Blank himself not being a dentist and optician; or must the following wording appear as a sign, and on all labels, stationery, etc.:

John Blank & Co., Ltd., Chemists, Druggists, Dentists, and Opticians. Managing Directors—John Blank, M.P.S., Registered Chemist; James Jones, M.P.S., L.D.S., Registered Chemist, Dentist, and Optician?

[It is not necessary to name the directors. It has been held that limited companies can assume the title of chemists and dentists. Since then the Poisons and Pharmacy Act, 1908, has laid down conditions which they must observe when chemists' titles are employed.]

Miscellaneous Inquiries.

We do not as a rule repeat information given in this section during the past twelve months. When references are given to past issues, these should be consulted. Back numbers for the past five years can generally be obtained from our office at the published prices. We do not undertake to analyse and report upon proprietary articles.

Pepsin (201/22).—INDIGESTION-MIXTURE.—Your difficulty in colouring with cochineal a mixture containing glycerole pepsin, nitro-muriatic acid, and tincture of nux vomica is due to the acid. Cochineal is at a disadvantage in such a mixture, and you need not expect to get good results with it. Nitro-muriatic acid produces a yellow with part of the colouring matter, and your mixture has in consequence a dingy brown colour. The separation of colouring-matter, however, is due to the hardness in the water which you have used. We suggest that you use good cudbear to colour your mixture. It goes well with the acid, forming a bright pink colour. Try about 8 grains to 12 oz. If the tint produced be brighter than you desire you can tone it down by adding a little burnt-sugar.

C. F. T. (205/18).—Muffs which have been attacked by moths should be sent to the furrier's for treatment. This is not a pharmaceutical process.

Folor (215/31).—CHILBLAIN-REMEDY.—If calcium lactate has not given the requisite relief, try the following:

Calcii chloridi	...	...	...	℥j.
Aq. chloroformi	...	...	...	3ss.
Tr. ferri perchlor.	...	...	...	mx.
Tr. nucis vom.	...	...	...	mv.
Syrupum ad	...	...	...	5ij.

Misce pro dosis.

This is to be taken twice or thrice daily.

Ambitious (220/66).—WOMEN AS DISPENSERS.—You will find all the information that you ask for in our Educational Number, August 12 last.

G. B. (172/57).—FLUID-CASTING METHOD OF MAKING POTTERY.—Dr. Weber's process is covered by letters patent which are worked by Messrs. Julius Hulsen & Co., New-castle-on-Tyne.

X. Y. Z. (216/34).—Loss in weight frequently follows the administration of laxatives to persons who are constipated. Senna is like other laxatives in this respect, but in the case you mention we do not think it is responsible for the decreased weight, which would rather be owing to the illness.

W. H. L. (223/49).—(1) By "spirit" in many of the formulas in "Pharmaceutical Formulas" "industrial methylated spirit 64° o.p." is meant (see p. 478). This also applies to the metal-polish on p. 891 of the new edition. (2) The preparations which you mention have baking-powder as a basis, with colouring and flavouring to suit the name.

B. H. (214/54).—We do not seem to have a cough-mixture formula containing the ingredients you require. You will, however, be able to devise a recipe, the pine oil being employed merely as a flavouring.

Acacia (213/45).—(1) QUININE, IRON, AND PHOSPHORUS TONIC:

Quinin. sulph. ...	...	...	5iss.
Ac. phosph. dil. ...	...	...	5x.
Tr. aurant. ...	...	...	5x.
Inf. calumbæ conc. ...	...	...	5x.
Glycerini ...	...	...	3iij.
Liq. chiritæ conc. ...	...	...	3x.
Ferri ammon. citr. ...	...	...	3iv.
Aq. chloroformi ad ...	...	...	5lxxij.

Mix in above order, and after forty-eight hours filter.

(2) **AQUA MENTHÆ PIP. CONC.:**

Ol. menth. pip. ...	...	...	5ss.
Aq. fervid. ...	...	...	5viij.
Spt. rectificat. ad ...	...	...	5xx.

Dissolve the oil in 10 oz. of the spirit, add the water, shake well, and set aside for a day or two. Decant and filter through 2 dr. of kaolin, then make up the filtrate with spirit to 20 oz.

W. B. W. M. (242/35).—TASTELESS PURGATIVE-POWDER FOR HORSES:

Powdered croton-seeds ...	20, 25, 30, or 35 grains
Crushed linseed ...	60 grains
Powdered caraway ...	20 grains

Mix. The different amounts of croton-seed specified above may be taken as representing roughly a 4, 5, 6, and 7 dr. physic-ball.

Cinnamon (Ceylon) (210/32).—REMOVING CIGARETTE-STAINS. See *C. & D.*, September 23, index folio 493.

Hamba (210/53).—(1) **TINCTURA CARDAMOMI, P.L. 1836:**

Bruised cardamoms ...	...	...	3½ oz.
Proof spirit ...	...	...	2 pints

Macerate fourteen days, and strain.

(2) **TINCTURA CARDAMOMI COMPOSITA, P.L. 1836:**

Cardamoms,	
Caraway, each, bruised ...	2½ dr.
Cochineal, powdered ...	1 dr.
Cinnamon, bruised ...	5 dr.
Raisins, stoned ...	5 oz.
Proof spirit ...	2 pints

Macerate fourteen days, and strain.

A. K. H. (208/29).—PINE INHALANT.—The addition of a few drops of acetone would probably improve the formula (*C. & D.*, September 13, index folio 452) in the direction you need.

C. F. T. (206/73).—LIQUID METAL-POLISH.—See *C. & D.*, August 6, 1910, index folio 246, and June 24, 1911, index folio 927.

W. C. F. (208/58).—MILK-POWDER is dried milk reduced to powder. The method of preparing it has been described several times in the *C. & D.*, but it can only be carried out successfully on a large scale.

Eflow (238/1).—DESTROYING FLEAS.—A house infested with fleas can best be cleared by fumigation with hydrocyanic acid. Each room requires to be treated separately. The process is described in "Pharmaceutical Formulas" and in *The Chemists' and Druggists' Diary*, 1910, p. 217.

Multicura (216/15).—ACORN-POISONING IN CATTLE.—This is dealt with in Leaflet No. 13 of the Board of Agriculture. It is not known to what principle in the acorn the poisoning is due; the symptoms—wasting, diarrhoea, sores in the mouth, etc.—do not indicate that tannin is the cause of the trouble. No cure has been discovered.

J. L. P. (207/46).—SHEEP-FEEDING is dealt with fully in Leaflet No. 79 of the Board of Agriculture, which is supplied by the Board gratis. The address is 4 Whitehall Place,

London, S.W., and your letter to them need not bear a postage stamp.

H. R. M. (221/52).—BARRACK-SERGEANTS' DROPS.—The following is from "Pharmaceutical Formulas":

Ol. juniperi ...	...	...	3iss.
Ol. terebinthinae ...	...	...	3iss.
Tr. opi ...	...	...	3ij.
Spt. rectificat. ...	...	...	3iij.

Dose: Ten to twenty drops on sugar.

G. G. W. (222/6).—NON-ALCOHOLIC RAISIN-WINE:

Raisin-wine essence ...	...	...	4 oz.
Tartaric acid ...	...	...	3½ oz.
Burnt sugar ...	...	...	a sufficiency
Salicylic acid ...	...	...	2 dr.
Syrup ...	...	...	1 gal.
Water ...	...	...	2 gals.

Mix.

Mito (209/5).—(1) DRY SHAMPOO.—Your formula would be improved by increasing the amount of soap and adding solution of ammonia (about 2 oz.). (2) POMADE HONGROISE.—Several formulæ are given in "Pharmaceutical Formulas," the following being supplementary:

White beeswax ...	...	...	3 oz.
Distilled water ...	...	...	6 oz.
Powdered acacia ...	...	...	1½ oz.
Powdered curd-seap ...	...	...	1½ oz.
Glycerin ...	...	...	2 dr.

Dissolve the soap in the water, add the gum and glycerin, then to the warm solution add the melted wax, with constant stirring. When nearly cold add the following perfume:

Ylang-ylang oil ...	...	...	12m
Clove oil ...	...	...	2m
Eau-de-Cologne essence ...	...	...	8m
Benzoic acid ...	...	...	2 gr.

C. F. S. (204/27).—FROST-BITE DISCOLORATION.—We do not think that any application will improve permanently the bluish discoloration remaining from a frost-bite. It will probably become less noticeable as the child grows up.

L. K. (217/41).—PAINT-MIXING.—Books on this subject are Jennings's "Paint and Colour Mixing" (Spon, 5s.), Hurst's "Painters' Colours, Oils, and Varnishes" (Griffin, 12s. 6d.), Terry's "Pigments, Paint, and Painting" (Spon, 7s. 6d.), Desaint's "Three Hundred Shades and How to Mix Them" (Scott, Greenwood, 21s.).

B. & S. (215/38).—VARNISH MAKING.—Standage's "Practical Polish and Varnish Maker" (Spon, 6s.), McIntosh's "Manufacture of Varnishes" (Scott, Greenwood, 3 vols.). The chapter on the subject in "Pharmaceutical Formulas" should be consulted.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," November 15, 1861.

The New British Pharmacopœia.

Satisfactory intelligence is abroad as to the progress of that important work, "The New British Pharmacopœia." It is "expected to be published" ere the close of this year. We hope that the expectation will be fulfilled. It is promised that it shall embody every improvement of the latest and highest medical science; and, of course, no less will be looked for in a work which has so long been in hand by the most accomplished physicians and teachers of *Materia Medica* in the three kingdoms. The old arrangement will be pretty closely adhered to. The new Pharmacopœia will be divided into two Parts, with an Appendix. The First Part is to contain a list of the *Materia Medica*, in which all the substances employed in medicine will be inserted; and appended to each will be its definition, its origin, form, tests of its purity, and uses. The Second Part will contain the various groups of Galenicals, as extracts, infusions, tinctures, ointments, etc., with the mode of preparing each; likewise the processes for making the various chemicals described in the First Part. The Appendix will include the substances used never alone as remedies, but only in their preparations; and also the various test-solutions for ascertaining the strength and purity of drugs. The long time taken by the Pharmacopœia Committee of the Medical Council in the preparation of the work is excused by the fact that everything their book describes they have made and tested—in many cases repeatedly. The introduction of a "British Pharmacopœia" throughout the United Kingdom, and the supersession of the separate codes of England, Ireland, and Scotland, will be one of the most practically useful works of the Medical Council.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, NOVEMBER 11, 1911.

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers) and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 852 Bank (two lines). Telegraphic Address: "Chemicus London."

It pays to pay for advertising
in this Supplement.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, S.E.—Good middle-class Business; returns average between £950 and £1,000 per annum; net profit £259; modern Pharmacy; excellent residence; vendor's own property; price £750.

2.—LONDON, S.W.—Good-class Pharmacy; situate in busy main thoroughfare; returns £1,000 per annum; net profit £300; full inspection invited; price £675.

3.—LONDON, S.W.—Ready-money Business, Retail and Dispensing; returns average £800 per annum; gross profit 43 per cent.; attractive shop, single-fronted; full investigation invited; price £550.

4.—LONDON, W.—Good-class Business, Retail and Dispensing; returns average £864 per annum, and the net profit £350; lock-up Pharmacy, fitted in solid mahogany; rent moderate; held on lease; price £600; ill-health cause of sale.

5.—KENSINGTON.—Modern Pharmacy; position unique; returns about £1,100 per annum, which produce a net income of £350; lock-up shop; held on lease; price £900.

6.—LONDON, S.E.—Neglected Business, Retail and Dispensing, with small Mineral-water plant; returns last year £760, at fair prices; stock and fixtures valued by vendor at £750; price £500.

7.—LONDON, S.W.—Very old-established Business; held by vendor upwards of 30 years; returns last year £750; gross profit £275; roomy house; rent £62; held on lease; price £500.

8.—YORKS.—Good-class Retail and Dispensing Business; returns present rate, about £1,500; yearly increase; gross profit £610; house has 9 rooms, private entrance; price £1,200.

9.—EASTERN COUNTY (Market Town).—Very old-established Business; returns average £2,273 per annum, and the net profit £400 (about); commodious shop; corner position; terms, goodwill £300, stock and fixtures at valuation.

10.—SUSSEX.—Unopposed Business; established 70 years; returns average £900 per annum; and the net income £320; large, well-appointed shop and residence, small garden; terms, goodwill £100, stock and fixtures at valuation.

11.—MANCHESTER (near).—Light Retail Business; no heavy trade; returns last year £748; scope for development; net profit about 20 per cent.; rent £25, which includes residence; terms, valuation of stock and fixtures.

12.—CUMBERLAND.—Established Business; central position; returns exceed £600 yearly; profit (net) 25 per cent.; good opening for Photographic and Optical; lock-up Pharmacy; price £400.

13.—ESSEX.—Well-established Business; returns £728; net profit about £220; the shop is capably situate in the centre of town; good house, garden; price £400.

14.—DORSET.—Well-appointed Pharmacy, fitted by Maw; returns £770; profits above the average of Retail trade; large residence, bath-room, side entrance; rent £45 yearly; price £600.

Particulars of any of the above will be furnished on application.

N.B. NO CHARGE TO PURCHASERS.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

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Telegrams, "Brett Leicester." Telephone 1934.

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STOCKTAKING SPECIALISTS to the Entire DRUG TRADE

1.—**YORKS.**—General Country Retail; £800 returns, at very good profits; large shop and house; price £450; advanced age sole cause of disposal.

2.—**AT** half value of stock and fixtures; situated near Birmingham in thickly populated district; returns £600 to £700; Light Retail; offered at £175; bereavement sole cause of disposal.

3.—**LEICESTERSHIRE.**—Returns £560; Light General Retail in centre of good district; rent low; price £250, which is the value of stock and fixtures.

4.—**YORKS.**—Returns £950; net profit £280; good-class Retail in suburb of important town; moderate rent; price £800.

5.—**CHESHIRE.**—Light Country Retail, Dispensing, etc.; returns £1,400; soundly established; price £950.

6.—**DURHAM.**—Returns £850; net profit £220; price £600.

7.—**MIDDLESEX.**—Returns £1,082; net profit over £300; good medium-class Cash Retail; good house and shop; plenty of scope for increase; price £900.

8.—**LONDON, S.E.**—Returns £1,000; large shop, handsomely fitted; good-class Cash Retail, in good position; price £500, which is much less than valuation.

9.—**LIVERPOOL.**—Good-class Retail, in fine, bold position; returns £1,000; good house; price £750.

10.—**BATH.**—Neglected Business; returns now £5 to £6 weekly; very old-established and in central position; good profits; offered at 100 guineas; must be sold.

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OWING to severe family bereavement, a prosperous Business, returning nearly £700, in large manufacturing town, Midlands, will be sold to first offer at half value of stock and fixtures; vendor retiring; for immediate Sale; rent £35; 7 rooms; no near opposition; Cash Retail and Prescribing.

KENT.—Unopposed, near London; 3 years' returns £600, £650, £675, at good prices; nice shop; good house and garden; rent £50; price £320, about the value of stock and fixtures; vendor desires business abroad.

MIDLANDS.—Corner position; good business town; General Retail; returning over £600; rent £62; one room, £26, let to dentist; ill-health sole cause of sale; price £350, or offer; can be very largely increased.

OLD-ESTABLISHED, profitable, South London; returning over £900; rent £65; house let off £30; net profit £300 per annum; proof given and investigation invited; price £400, or offer.

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We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcement is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

MESSRS. BERDOE & FISH,

Chemists' Valuers and Transfer Agents,

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1.—**YORKSHIRE** (Inland Health Resort).—High-class Retail and Dispensing Business, in splendid position; returns £1,460; excellent prices; beautifully fitted and heavily stocked; price £1,200.

2.—**SUSSEX.**—Unopposed good-class Retail Business; charming locality; returns about £650; net profit about £250; plenty of scope in energetic hands; price £550; good introduction.

3.—**SURREY.**—Good middle-class Retail Business, steadily increasing; present returns average over £900; excellent profits; central position; good residential district; price £700.

4.—**YORKS** (East Riding).—Unopposed Mixed Country Retail with Wines and Spirits; returns £650; scope for doing £20 a week in energetic hands; well-fitted and fully stocked; price £325, less than valuation.

5.—**HOME COUNTY.**—Old-established Business, in same hands many years; unopposed; returns £400; net profit about £175; best position; low rent; price £250.

6.—**LIVERPOOL.**—Sound Light Retail; returns about £500; no side-lines; net profit £160; good house and large shop; stock and fixtures worth fully £250; price £200; part can remain.

7.—**WIMBLEDON.**—Light Retail and Dispensing; returns £800; net profit £200; good position; price £550, or offer.

8.—**SOUTH KENSINGTON.**—Good-class Retail and Dispensing; returns about £1,100; net profit £345; price £900.

9.—**DORSET.**—Profitable Light Retail and Prescribing Business, with some Dentistry; returns £670; net profit £290; increasing; good house; low rent; price £600.

10.—**HERTFORDSHIRE.**—Cash Retail and Prescribing Business in growing town; returns £750; net profit £258; good house; attractive shop, fully stocked; owner retiring; price £520, about.

11.—**KENT.**—Old-established Light Retail; has done £1,000; returns under manager £650; net profit £220; plenty of scope; good premises; low rent; price £500, or offer.

12.—**BOURNEMOUTH.**—High-class Dispensing Business, in splendid position; returns over £700 at best prices; plenty of scope; price £350, or first reasonable offer.

13.—**MIDLANDS.**—Good-class Light Country Retail; returns £500; net profit £190; no opposition; low rent; stock and fixtures worth £240; price £250.

14.—**WARWICKSHIRE.**—Light Retail and Dispensing Business in high-class locality; returns £550; net profit £190; good house; fine shop, well stocked; price £300, or valuation.

15.—**RICHMOND** (near).—Good-class Retail and Dispensing; returns over £1,000; net profit £300; fully stocked; price £675.

16.—**LONDON, N.W.**—Light Retail and Dispensing; returns about £950; good house; low rent; well stocked; price £625.

BUSINESSES WANTED.

We are in immediate want of genuine businesses in all parts, especially South and South-west of England, cash buyers waiting ready to invest up to £3,000. Strictest privacy guaranteed. Terms sent on application. No sale, no charge.

STOCKTAKING.

MESSRS. BERDOE & FISH desire every Chemist to read their pamphlet on the necessity and advantages of Stocktaking, which will be sent on application; we are experts at this work and our charges are strictly moderate. Write for them to-day. Over 40 Years' Practical Experience.

BUSINESSES FOR DISPOSAL

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

COLONIAL BUSINESSES.

We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

LETTERS in reply to Advertisements may be addressed to this Office, and will be forwarded to the Advertiser for an additional charge of 6d.

Trade circulars, samples, and printed matter can in no case be forwarded.

BIRMINGHAM.—Exceptionally busy corner position; Chemist and Druggist's Business; established 75 years; rent £30; good living; cash trade; purchase price for stock, fixtures, and fittings, etc., £350; cause of sale, old age and illness of owner; no agents. F. London, 227 Birchfield Road, Birmingham.

BLACKBURN.—Good Business for immediate Disposal; full particulars given to bona-fide inquirers. 268/17, Office of this Paper.

BRIXTON, S.W.—Well-fitted Shop; has been Chemist's 12 years; closed through gross mismanagement; to a good man this is an exceptional opportunity of acquiring a business for nothing in a good-class residential neighbourhood, with a new estate of 290 houses being built close by; no shops; Dental business. Apply, 76 Upper Tulse Hill, Brixton, S.W.

EDINBURGH.—Handsomely fitted old-established Business for Sale in busiest part of City; excellent stock; immediate entry; proprietor going abroad. Further particulars from Peter Clark, Solicitor, 42 Frederick Street, Edinburgh.

HULL.—Returns about £10 weekly, mostly working-class Prescribing; splendid stand; shop well fitted and stocked; good opening for Dentistry; suit qualified or unqualified; price £175 cash; a bargain. Apply, Spilman, 179 Holderness Road, Hull.

KENT.—Compact House and Shop; working-class district; value £90; £46 new stock; handsomest Pharmacy in district; suit unqualified man; rent £36. Also grand Seaside Business, splendidly situated; very profitable; no cutting; neglected through bad health; an exceptional bargain; value £600; terms arranged. 268/24, Office of this Paper.

KENT (Suburban).—Good-class Business for Disposal; turnover about £1,000, and net profit over £250; central position; modern premises; well stocked and fitted; price £50 and valuation of stock and fixtures. Apply, 227/64, Office of this Paper.

LIVERPOOL (main thoroughfare).—Chemist's Business for Sale at once; good fittings; cheap rent. Apply, Langton & MacConall, 22 Lord Street, Liverpool.

LONDON, N.—Nucleus of good Retail Business for Disposal owing to death of late proprietor; in same hands over 20 years; splendid opportunity for young man starting; situated in good working-class neighbourhood; price of stock and fixtures only to immediate purchaser; good house; low rental. Trenerry, 130 Elthorne Road, Holloway.

LONDON, S.E.—Old-established Business for Sale; returns average last 3 years £600; good profits; 13 years' lease to run; nice house; well fitted and stocked; value over £350; accept £250, or nearest offer; part could remain if required. 265/32, Office of this Paper.

MIDLANDS.—Good Dispensing and Prescribing Business, on main road important Midland town; corner position; in present proprietor's hands for 17 years; good reasons for selling; excellent opportunity for an energetic man. Further particulars apply "Tropel," c/o Wyleys, Ltd., Coventry.

NORFOLK.—For immediate Disposal, Mixed Country Business; unopposed; returns £800 year, has done more, but neglected a little through ill-health; well stocked; 9 years' unexpired lease; rent £26 17s.; price £500, or offer. 266/21, Office of this Paper.

NORTH OF ENGLAND.—A first-class Business for Disposal, producing a net profit of about £1,000 per annum; applicants must be prepared to invest between £3,000 and £4,000; banker's or other references required. Apply, 272/9, Office of this Paper.

NOTTS.—Genuine little Drug Store; returns averaging £6 to £7 weekly; half profit; comfortable living assured; no Poisons sold; splendid opening for young qualified man with small capital; plenty of scope for increasing business; nicely fitted shop; price £160, or valuation accepted. Apply, Holmes, 142 Potter Street, Worksop.

PEAK OF DERBYSHIRE.—Splendid little Business for Sale, very old-established; takings average for the last 6 years £650; for prompt sale will take £200, or near offer. 266/22, Office of this Paper.

SOUTH COAST.—Good-class Family Retail and Dispensing Business; returns under management £900; excellent position, with scope for increase by an energetic principal; attractive Pharmacy, fully stocked; no immediate opposition; good residence and garden; price required £600; books properly kept. Address, 15/51, Office of this Paper.

S.W. LONDON.—Good-class Dispensing and Retail Business for immediate Disposal owing to health; returns average £1,000, this year £1,100; over £300 net profit; value of stock about £500; valuable lease; good house and offices in busy main street; will sell for £550 net cash. "Fodex" (269/7), Office of this Paper.

SOUTH MIDLANDS.—Light Mixed Country Retail, farming and hunting district; unopposed 6 miles; returns about £1,000 with good profits; easily worked with junior; sound and desirable; good reason for disposal; private treaty and valuation; cash in full on entry Particulars on receipt of reference, "Trojan" (269/30), Office of this Paper.

SOUTH WALES.—Old-established Mixed Country Business, with Wine and Spirit License attached; turnover about £1,600; could be much increased; good opening for Dentistry and Optics; excellent prices obtained; accept £600, or at valuation. All particulars on application to 265/26, Office of this Paper.

WEST MIDDLESEX (few miles out).—Genuine Light suburban Retail Business, main road; increasing district; returns over £800; modern, double-fronted shop, well fitted, good stock; price £375, or valuation terms; open to fullest investigation. Address, 272/09, Office of this Paper.

CASH Drug Store, W.—Genuine old-established Business, in thickly populated working-class neighbourhood; owner retiring after 14 years' successful occupation; shop and 6 rooms; rent £40; lease; price £80, or offer. "W. R." (271/28), Office of this Paper.

CHEMIST and Stationery Business for Sale, a bargain, in a large village and near other villages; no opposition; established 37 years; been neglected owing to illness and death of proprietor; price for stock and fixtures about £150; rent £28 (or will sell premises). Apply, W. J. Walker, Printer, St. John's, Ipswich.

FOR Sale, small old-established Chemist's Business in North London; price £350; good opening for energetic young man. 259/21, Office of this Paper.

FOR Sale, Chemist's Business in populous district in Aberdeen, where good Prescribing trade is being done; ingoing about £120. Apply, H. A. Emslie, Solicitor, 20 Belmont Street, Aberdeen.

GENUINE Cash Business (Branch) for Sale, South Coast; returns £500; badly neglected; smart young qualified man could double with little capital; corner shop; main thoroughfare; side entrance; growing neighbourhood; rent £40; price £200, or part could remain to well recommended gentleman; trial allowed and satisfactory reasons for disposal. 267/24, Office of this Paper.

OLD-ESTABLISHED Cash Retail with Optics for Sale in busy thoroughfare in main road in London, E.; present turnover under manager £1,200; could easily be doubled under smart principal; very few Patents sold; Optics average £3 weekly; good house over; price about £800. Apply, "East" (268/40), Office of this Paper.

UNDER exceptional circumstances, vendor retiring, a very profitable Business in large manufacturing town, Midlands; returning nearly £700; house, 7 rooms, rent £35; no near opposition; Cash Retail, at good prices; will accept half value of stock and fixtures. Apply, Martin, The Turrets, Woodstock Avenue, Golders Green, London, N.

£2,550 last year's turnover; Dispensing, Photographic, and Family Retail Business, some Agricultural; purely cash trade; books well kept; gross profit for first half of this year was over 34 per cent. on turnover; a really sound concern; fittings and fixtures worth about £1,100; suit an active man or two partners; proprietor retiring. Apply, "Iodide" (269/8), Office of this Paper.

£125.—Drug Store (neglected) in Northern City for Sale, taking £6 week under unqualified; has done £12; plenty of scope; net profit (1910) £95, (1909) £120; owner left trade. Apply 269/20, Office of this Paper.

TENDERS.

LONDON TEMPERANCE HOSPITAL, HAMPSTEAD ROAD, N.W.
THE Board of Management invite TENDERS for the supply of Drugs and Chemicals to this Hospital for 12 months from January 1, 1912. Forms of Tender and all particulars may be obtained from the Dispenser. The Board does not undertake to accept the lowest or any other tender. Tenders should be returned on or before Friday, December 1, 1911, sealed and addressed to A. W. Bodger, Secretary.

THE KENT AND CANTERBURY HOSPITAL. TO DRUGGISTS AND OTHERS.

TENDERS are invited for supplies of Drugs and Dressings to this Hospital for the year 1912.
Forms of Tender may be obtained of the Secretary, and the tenders should be marked outside "Tender," and delivered at this Hospital on or before Thursday, November 30.
The Board do not bind themselves to accept the lowest or any tender.

A. J. LANCASTER, Secretary.

November 3, 1911.

SALES BY TENDER.

IN BANKRUPTCY. *Re OWEN PRICKETT.*

FOR Sale by Tender, as a going concern, the Business of a Chemist and Druggist, at 4 Commercial Street, Llantrisant; the only Chemist within a radius of 4 miles; tenders (to be in writing) to be sent to the Official Receiver, Pontypridd, by Thursday, November 16, 1911, when they will be opened at 10.30 A.M.; the highest or any tender not necessarily accepted; the Stock-in-trade and Utensils may be inspected on Monday, November 13, 1911, between 10 A.M. and 4 P.M. Further particulars from the Brokers, Messrs. Howard & Evans, Arcade Chambers, Pontypridd.

TO LET.

EALING.—Handsome and spacious Business Premises to be Let, suitable for all trades; situate in the centre of the town; excellent living accommodation over, comprising 4 bedrooms, bath (h. & c.), large reception-room, kitchen and offices; spacious shop, frontage 17 ft., depth 40 ft.; large and well-lighted cellar in basement; rents only £75 per annum. For further particulars and orders to view apply to the sole Agents, J. Griffin & Son, Estate Agents, Ealing. Telephone 6 Ealing.

REIGATE, Surrey.—To Let, fine Shop and House in the best part for business; electric light, gas, and telephone; a good opening for a business man; there is a large and influential population, and house over is a very comfortable and convenient one. Phillips, 10 Beaufort Road, Reigate.

SHOP, main street; grand opportunity. Apply, Dennis Paine, Maidstone.

SHOP to Let, suit Chemist, 45 Pitshanger Lane, Ealing; rent £50. Apply, G. W. Cossons, 22 Mount Pleasant Road, Ealing.

SPLENDID opportunity to start a Chemist's Business in a prosperous old agricultural town in Shropshire with busy weekly market. Apply, "Pharmacist," c/o T. B. Browne, Ltd., 163 Queen Victoria Street, E.C.

TO Chemists and Druggists.—A splendid opening in Brighton for Cash Chemist, similar to Boot's or Timothy White's shops; large shop and basement, between Metropole and Grand Hotels; rent £160. Apply, E. Willis, Tea Cosy, 1 Laurence Pountney Hill, London.

TO Let, with immediate possession, small double-fronted Shop and House in market town, nearly 10,000 inhabitants; only four chemists; has been let as Drug Stores, but qualified man wanted; exceptional chance for energetic beginner; good opening Dentistry; suitable for lock-up. Apply, "Bono" (267/20), Office of this Paper.

TO be Let, an old-established Herb and Drug Business; small capital required. Apply, Surgical Hosiery Co., Ltd., Russell Street, Nottingham.

APPRENTICESHIPS.

APPRENTICE.—Pharmacist wishes to transfer one-year Apprentice to indoor position; parent going abroad. "M. Q." (265/34), Office of this Paper.

BUSINESSES WANTED.

ADVERTISER is open to privately negotiate for the purchase of a good-class Dispensing and Retail Business showing net profits at least £400; strict investigation required; cash ready. Replies, in confidence, to "Pharmacist" (268/6), Office of this Paper.

WANTED to purchase for immediate cash sound Country Business returning £1,000 to £1,500 annually; good house essential, garden preferred (not imperative); any country district except North of England; Wholesale references given and required; all replies accepted confidentially. Letters to Mr. Keeble, Nigeria, 17 Cassiobury Road, Weymouth, Dorset.

AGENCIES.

INDIA.—Advertiser, 20 years' experience in the East, is open to act as Managing Representative in India for first-class firm Manufacturing Chemicals, Pharmaceutical Preparations, or Drug-trade specialities, other than Disinfectants; terms would include power of attorney to act for the firm, monthly allowance plus commission, and contribution towards office, etc., expenses. Address, 191/33, Office of this Paper.

SOUTH AFRICA.—The advertiser, well recommended and with a thorough knowledge of the trade and country, seeks sole South African Managership-Agency to first-class Proprietary Medicine firm; active, energetic worker, with good testimonials. Reply, "R. R." (268/9), Office of this Paper.

AGENTS wanted by successful firm for remunerative Side-line, on commission; Medicinal Capsules of superior quality; state ground covered; references required. Address, 259/17, Office of this Paper.

AGENTS for Toilet Soap, calling on Chemists only, wanted at once; Northern, Midland, and Eastern Counties; Specialities only. Send fullest particulars to Chrstr. Thomas & Bros., Ltd., Broad Plain Soapworks, Bristol.

TRAVELLERS and Agents wanted to take up as a Side-line the sale of our Liquorice on a commission basis; same is advertised amongst all the Chemists in the United Kingdom, and therefore only requires following up; small pocket sample; high commission; season now commencing. Russian Liquorice Works, Uralsk, Muswell Hill, London, N.

PARTNERSHIPS.

ADVERTISER, with capital, but without qualification, wishes to meet gentleman willing to join him in business; young; London experience; replies treated in strict confidence. "V. D." (272/13), Office of this Paper.

AN old-established firm of Chemists (now private Limited Company), with modern branches in good-class London suburbs, require Branch Manager prepared to invest £250; first-class references and experience essential; minimum remuneration for services £3 per week, exclusive of 10 per cent. commission on profit of branch and dividend on capital invested; good prospects. Apply, 265/28, Office of this Paper.

YOUNG qualified Pharmacist, of good address, linguist, and experienced in high-class Pharmacies, wishes Partnership in good business, or would purchase on easy terms; can supply first-class references and recommendations; £150 down, remainder by instalments as agreed; all correspondence treated strictly confidentially. "K. G." (268/29), Office of this Paper.

WANTED, a Partner, with capital (small), to push ahead a newly-established Drug Store; a splendid position for advertising; Proprietaries already on the market; an electric tramcar junction, London, N.W. "Dandelion" (271/12), Office of this Paper.

£300 to £400.—Pharmacist required to invest in established Chemist's business and take charge of Dental practice in connection therewith; good opportunity of acquiring working share; references required and given. "Dental" (269/3), Office of this Paper.

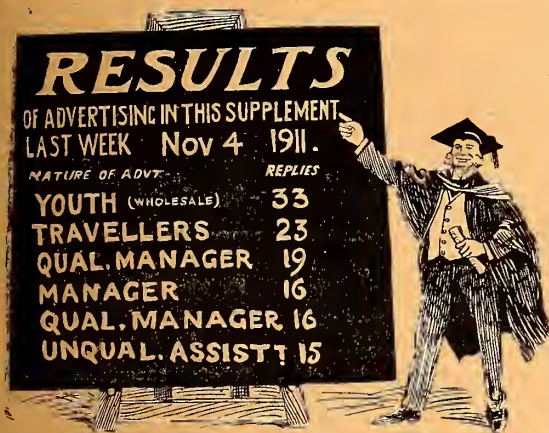
FOR SALE.

FITTINGS.—Mahogany Counters, plate-glass fronted, fitted Cases, 6 ft., 8 ft., 12 ft., also Range 60 glass-knob Drawers, Lockers below, Shelves above, Bottles, Jars, and Scales, Counter-cases, various kinds, upright, flat, and bent, 2 ft. to 10 ft.; cheap to clear. Took, 120 High Road, Tottenham (one minute Stamford Hill terminus).

SITUATIONS OPEN

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d.



RESULTS
OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK Nov 4 1911.

NATURE OF ADVT.	REPLIES
YOUTH (WHOLESALE)	33
TRAVELLERS	23
QUAL. MANAGER	19
MANAGER	16
QUAL. MANAGER	16
UNQUAL. ASSISTANT	15

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed o/o this Office. The Publisher desires to make it clear that this is quite superfluous and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BE BRIEF BUT CLEAR—millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the material set before him.

IT PAYS TO PAY FOR ADVERTISING IN THE C. & D.

"I have been inundated with replies to my advertisement for a manager in last week's (November 4) C. & D.," writes a Provincial Chemist (226/24).

RETAIL.

BATH.—Competent Junior, not under 21; must have had Dispensing experience. Full particulars, with salary (outdoors), to Davies & John, Chemists.

BEXHILL.—Junior Assistant wanted November 28 (indoors) for high-class Dispensing business. Please give full particulars of experience, age, height, salary required, and send photo, Robbins, Pharmacist.

BIRMINGHAM.—Qualified Assistant; must be good Counterman and Dispenser, smart, energetic, and gentlemanly. Apply, stating full particulars of age, height, experience, salary required (outdoors), and if convenient enclose photograph, to Hedges & Sen, Pharmacists, Birmingham.

BOURNEMOUTH.—Mr. J. K. Matterson has a vacancy for a qualified Junior Assistant; a good opportunity for gaining experience in a high-class modern Pharmacy; outdoors; 5 Assistants kept. Apply, with full particulars, to Arcade Pharmacy, Bournemouth.

CHELTHAM.—Senior Assistant, 28-30, for good-class Dispensing and Photographic business; indoors; half-holiday weekly; reliable Dispenser; good appearance. Please send full particulars and recent photograph to Beetham & Clark, Cheltenham.

CITY.—Outdoors; no Sunday or night duty; wanted, young Junior or part-time Assistant. Apply to "X. Y. Z.," Ranahan, Fitzjohns Avenue, Barnet, Herts.

COLCHESTER.—Improver or Junior Assistant required; outdoors; easy hours. Apply, with full particulars, to J. F. Marlar, Colchester.

HASTINGS.—Wanted, Junior for Dispensing business. State age, height, salary required, etc., to C. W. Higgins, Chemist, Hastings.

KENSINGTON.—Junior, accustomed to good Dispensing. Apply, stating salary and full particulars, with photo, to Dampney, 87 Abingdon Road, Kensington.

LIVERPOOL.—Qualified Assistant (future management) for brisk cash business; must be quick Counterman and obliging; knowledge of Photography; duties finish 9 P.M.; half-holiday weekly; commission allowed on sales of own lines; please state age, height, salary required (indoors preferred), and references; enclose photo. Apply, Banners, Ltd., 266 Smithdown Lane, Liverpool.

LANDUDNO.—Qualified Assistant for second week in December (outdoors). Apply, with full particulars, to Mercer, Pharmaceutical Chemist, Llandudno.

LONDON, N.W.—Wanted, Junior Assistant, part time; one accustomed to good-class Dispensing and Retail; suitable for Student. State age, experience, height, and salary required, 266/5, Office of this Paper.

LONDON, W.—Wanted, smart unqualified Junior; must be a reliable Dispenser, good Counterman, and of gentlemanly appearance, about 23 years of age. Full particulars and photograph to Sanguinetti & Harding, 120 Uxbridge Road, Ealing, W.

LONDON, N.W.—Wanted, qualified Assistant; outdoors; age about 23-25 years; must be a quick and accurate Dispenser and a good Salesman. Please state full particulars of experience and salary required, personal interview preferred; if letter enclose photo, T. F. Elton, 28 Endsleigh Gardens, N.W.

LONDON, S.W.—Reliable Assistant required for Photographic and good-class Family Store business; no Sunday duties; must be competent and have knowledge of his business. Apply, Durbin's Drug Stores, 50 Broadway, Wimbledon. Telephone 458 Post Wimbledon.

LONDON, W.—Qualified male, unmarried Assistant, with good London experience in Dispensing and Retail; board out, sleep in; age 24. Apply personally, if by post stating age, experience, salary required, references, when disengaged, to R. A. Potts, 62 South Audley Street, London, W.

LONDON, N.—Competent Assistant required for Store trade; Window-dresser; outdoors. Apply, Blackham's Drug Stores, 675 Holloway Road, Upper Holloway, N.

LONDON, S.W.—Junior; unqualified; outdoors; about 20 to 22; smart, gentlemanly; good worker. Apply, with references and photo if possible, to "Ph.C.," 71 East Hill, Wandsworth, S.W.

LONDON, S.W.—Qualified Assistant, about November 20, for good-class Dispensing and Retail; salary £2 10s.; bedroom provided; board out. Apply, with full particulars, to 270/35, Office of this Paper.

LONDON, S.W. (near Schools).—Assistant, unqualified (indoors) immediately, with good-class experience. State full particulars, with photo (to be returned), or personal interview, F. H. Glew, 156 Clapham Road, S.W.

LONDON, S.W.—Junior Assistant wanted for good-class Retail trade (outdoors). Apply, personally, to Lloyd, 125 St. John's Hill, Clapham Junction, S.W.

LONDON, W.C.—Assistant for November 20, qualification unnecessary, for high-class Cash business; good Salesman, knowledge of Photography (including Developing); age not over 30; reasonable hours and no Sunday duty. Full particulars of experience and salary required, Manager, H. Lamplough, Ltd., 166 Strand.

LONDON, S.W.—Junior Assistant, with knowledge of Photographic trade; outdoors; must have been accustomed to brisk trade. Write or call, if writing please state age, experience, and salary required, Walter R. Mitchell, 63 Abbeville Road, Clapham Common, S.W.

SITUATIONS OPEN *(continued).*

NEWCASTLE-ON-TYNE.—Junior Dispensing Assistant; indoors; must be qualified and have had good experience. Apply, with full particulars of age, height, experience, salary required, and recent photo if possible, Brady & Martin, Ltd., Northumberland Road, Newcastle-on-Tyne.

NOTTINGHAM.—Qualified Assistant as second in charge; outdoors; liberal salary and short hours. Give full particulars, Waterall & Eberlin, Chemists, Chapel Bar, Nottingham.

PONTARDAWE.—Wanted, by E. Griffiths, Chemist, a smart gentlemanly Junior or Improver; indoors; comfortable home; half-holiday from 2 o'clock weekly; state age, salary required, etc.; Welsh essential.

SOUTH CROYDON.—Assistant wanted; outdoors. Noble, Pharmacist, South Croydon.

WEST END.—Qualified Senior Assistant required for high-class Pharmacy; London experience essential. Apply, by letter only, to "West," c/o S. Maw, Son & Sons, 7/12 Aldersgate Street, London, E.C.

WEST RIDING (market town). — Assistant, qualified; easy hours; weekly half-holiday; no Sunday work; must possess highest references; state salary required, age, height, and photograph. Gordon, 1 Bello Vue Avenue, Roundhay, Leeds.

ASSISTANT, qualified, of good education and address, for a best-class business, Tunbridge Wells; an interest might be given to suitable gentleman. Apply fully to Mr. R. A. Robinson, 185 Brompton Road, London, S.W.

DISPENSER and Bookkeeper wanted (male); qualified; outdoors; not over 40. Apply, 2 to 3 or 6 to 7 P.M., "E. W. W.," 65 Bassett Road, North Kensington, W.

DISPENSER wanted, evenings only 7—9; Doctor. Write first to E. C. Price, Chemist, 292 High Street, Lewisham, S.E.

DOCTOR'S Dispenser.—Gentleman required as above; full employment; little Bookkeeping; good references. Address, 272/1, Office of this Paper.

IN Mixed Retail, with Wholesale attached, a steady and competent Assistant, who has had experience in Travelling in country districts and possesses a knowledge of Photographic work; duties part travelling, remainder inside. Full particulars and salary required to H. S. Hogg, Chemist, Ulverston.

J. DUTTON & SON, Pharmaceutical Chemists, Rockferry, Birkenhead, require an Assistant; qualified; indoors.

JUNIOR required, a "turnover," or just out of apprenticeship; good Dispensing experience; £35 per annum (indoors); Senior kept. B. Wyle Cop, Shrewsbury.

LADY Nurse-Dispenser, Bookkeeper, wanted by country Doctor (bachelor); one with Midwifery and Nursing Certificates preferred; must be decided Christian. References, salary required (indoors), photo, to "A. D." (263/5), Office of this Paper.

MANAGER for a good-class Retail and Dispensing business, Newcastle-on-Tyne district; must be a first-class man, abstainer, of good appearance and address; also possess exceptional business ability, and able to compete successfully severe Store competition; age between 28 and 40; qualification not essential; assistant kept; only men with above qualifications need apply. Letters, enclosing photo and full particulars, with salary required, to be addressed to 268/34, Office of this Paper.

MANAGER; exceptional opportunity occurs for qualified man who has had good and varied experience in high-class Pharmacies; to the right man a directorship might eventually be given. Address 269/13, Office of this Paper.

MANAGER-ASSISTANT, qualified (outdoors), wanted early in December; weekly half-holiday; no Sunday duty; wages £2-10s. per week and commission. Apply 268/14, Office of this Paper.

MANAGER, qualified, for Branch shop; Light Retail trade; must be smart, up to date, and thoroughly reliable. Apply, with full particulars as to age, references, and salary required, to R. P. Chantler, Chemist, Park Square, Luton, Beds.

MARSON & SON, Stafford, require an outdoor Junior Assistant for Family and Dispensing business. Give full particulars, stating age and salary, and enclose photo.

QUALIFIED Assistant (outdoors) to Manage working-class business. Full particulars, "M. K." (266/2), Office of this Paper.

QUALIFIED Assistant (married) for Woodhall Spa Branch by November 21; house attached. State salary required and enclose photo and references, to Carlton & Sons, Horncastle.

QUALIFIED Assistant; age 24 to 28; knowledge of Photographic trade; indoors; comfortable quiet home; no children. Apply, with fullest particulars, enclosing photo, to "G. W. B.," British Drug Houses, Graham Street, E.

RELIABLE, qualified Branch Manager for Kent; abstainer preferred; good Counterman and Prescriber; permanency to good man, or succession could be arranged; good house; no heavy trade. Fullest particulars, especially length of last engagement and reason for leaving, 267/22, Office of this Paper.

SMART, capable, gentlemanly Assistant, 25-30, for good-class Dispensing, Photographic, and Light Agricultural business; indoors preferred; comfortable home; photo necessary (returned). Full particulars to J. R. Pennington, Pharmacist, Potter Street, Worksop.

UNQUALIFIED Assistant wanted at once; about 23 to 28 years of age; preference will be given to one accustomed to Store trading, Photographic Materials, and Window-dressing; good wages to good man. Apply, with fullest particulars, and when disengaged, to 267/12, Office of this Paper.

WANTED, energetic and capable qualified Manager; very comfortable berth with interest in the profits for suitable man. State age and salary required, 227/68, Office of this Paper.

WANTED, unqualified Assistant (outdoors) or experienced Junior for Mixed Retail, Agricultural, Photo, and Dispensing business in North Wales; good references essential. Apply, giving full particulars in first instance of experience, age, height, salary required, etc., 268/28, Office of this Paper.

WANTED immediately, a smart Junior; one accustomed to good-class Dispensing. Send all particulars in first letter together with photo, and state salary required (outdoors), E. M. & M. T. Chator, 129 High Street, Watford.

WANTED, an energetic, qualified Assistant, with good business abilities and thoroughly up-to-date in all branches of the trade, of gentlemanly appearance and address; one seeking permanency only treated with. Enclose photo and give full particulars of experience and state salary expected, to "Chemist," c/o Messrs. Maw, Son & Sons, Aldersgate Street, London, E.C.

WANTED, December 1, competent Assistant, unqualified, for good-class Light Retail and Dispensing business; good Dispensing experience required; indoors. State usual particulars and salary, and enclose photo, Green, Chemist, Southborough, Tunbridge Wells.

WANTED, for a Mixed Agricultural Country business, in a small town, an unqualified Assistant; one who has been accustomed to a Mixed business and had a little experience in Dispensing preferred. In reply please state experience, references, and salary required (indoors), with photo if convenient, to Gwilliam, Bishop's Castle, Shropshire.

WHOLESALE.

A SMART Representative wanted to call on Doctors. Apply, stating salary required, 224/66, Office of this Paper.

EXPORT Department, Wholesale Drug House.—Man with Warehouse experience. Full details to "Loom" (267/9), Office of this Paper.

JUNIOR Assistant for Instrument Room, with a knowledge of Surgical Instruments. Sumner & Co., Ltd., 50A Lord Street, Liverpool.

REPRESENTATIVE for the provinces required for a high-class world-renowned Dental Preparation; liberal commission; only first-class men with good connections need apply. Write particulars to "P." (264/40), Office of this Paper.

TRAVELLERS required, with connection amongst Chemists, etc., to carry a small Side-line having a good sale; commission only. Please state ground covered to 272/4, Office of this Paper.

TRAVELLER required, to call on Doctors and Institutions, for firm with good reputation in West Riding of Yorkshire; Drugs, Instruments, and Dressings. 228/3, Office of this Paper.

TABLET-MAKER, experienced; one who has a knowledge of Pill Making and Coating preferred; applicants should give full particulars, copies of references, and wages required; no applications replied to unless above particulars supplied. Hough, Hosen & Co., Bridge Street, Manchester.

TRAVELLERS, who have an established connection with Retail Chemists, wanted on salary and commission. Reply, sending copies of references, with full particulars, to 253/6, Office of this Paper.

TRAVELLERS, with established connection among Chemists and Stores, wanted to carry an exceptionally attractive line of American Toilet Soaps; something new; applicants must be at present representing firms of standing; liberal commission and part expenses allowed to those who can produce results. Full particulars, 227/7, Office of this Paper.

WANTED, Principal Assistant for Scientific Apparatus Department; applicant must possess good business experience and a thorough knowledge of Chemistry and Physics. Apply, giving full particulars, to the Managing Director, Reynolds & Branson, Ltd., Leeds.

WANTED, young man as Shorthand-Typist, Correspondence Clerk, with experience. Apply, stating full particulars as to age, experience, and salary required, to "C. C." (226/40), Office of this Paper.

SITUATIONS OPEN

(Colonial, Indian, and Foreign).

3s. 6d. for 50 words or less; **6d.** for every 10 words or less beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of **6d.**

BARRITZ.—English Assistant required; some knowledge colloquial French desirable. Pharmacie Cussac.

INDIA.—Unqualified Chemist wanted; pushing Retail Salesman with a good-class experience; 4 years' agreement; salary first year 150 rupees per month, second year 175 rupees per month, third year 200 rupees per month, fourth year 240 rupees per month; second-class passage paid out. 218/30, Office of this Paper.

ITALY.—Wanted, a good Junior Assistant for a few months' Season; passage paid from England. State particulars, references, and salary required to The International Pharmacy, Taormine (Sicily).

PARIS.—Qualified Assistant, with knowledge of French. State age, height, and salary (outdoors), "Dorvault" (225/56), Office of this Paper.

RANGOON.—Assistant required, age about 25 to 30; Minor qualifications; 4 years' agreement; salary first year 250 rupees per month, rising by 25 rupees per month annually to 325 rupees; passage paid. Apply, stating full particulars as to experience, etc., to Indo Burma Co., Ltd., 108 Wool Exchange, E.C.

SOUTH AFRICA.—Qualified Assistant, unmarried, required for a Coast town, about 25 years of age preferred; 3 years' agreement; passage paid out; salary £204 first year, £216 second year, £228 third year (outdoors). Apply, by letter only, "L., 14 Lafone Street, London, S.E.

SOUTH AFRICA.—Required immediately, 2 qualified Assistants for important towns, age about 24 years, with good Dispensing experience; 3 years' agreement; second-class passage paid; salary first year £17 per month, second £18, third £19; total abstainers preferred. Apply, by letter, with photograph, "F. J. G.," c/o C. J. Hewlett & Son, Ltd., 35/42, Charlotten Street, London, E.C.

SOUTH AFRICA.—Qualified Assistant, thoroughly reliable, with highest references; abstainer preferred; £21, £22, £23 monthly respectively; 3 years' agreement; passage paid; send photo, with full record; state whether knowledge of Photographic and Optical-work. Address, "L. O.," c/o G. Street & Co., Cornhill, London

SITUATIONS WANTED

1s. for 12 words or less; **6d.** for every 10 words or less beyond, prepaid.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of **6d.**

[HOME]. RETAIL.

LOCUM; disengaged by Monday; wide experience, town and country; reliable Dispenser, Prescriber; sound references. Forster, 5 Coleridge Road, Finsbury Park, N.

EXPERIENCED Assistant (38), married, unqualified, desires permanency; wide London experience; Prescriber, Counterman; thoroughly reliable; capable Manager. 271/9, Office of this Paper.

J. PYE is disengaged after the 10th. 62 Lynette Avenue, Clapham Common, S.W.

LOCUM; qualified; middle-aged; varied experience. "C. L. S.," 104 Mill Road, Cambridge.

UNQUALIFIED; good references; Store trade; abstainer. Lewin, 12 Bellevue Road, Ramsgate.

DISPENSER; long Surgery and Hospital experience. Burrows, 11 Hibbert Street, Battersea.

LOCUM; qualified; disengaged; good references. Snaxell, 75 Woodbridge Road, Guildford.

LADY Dispenser (Hall qualification) to Doctor. "Nurse," 62 Wiltshire Road, Brixton, S.W.

PART-TIME berth sought, London; qualified. "Cipher," 92 Pentiman Road, Vauxhall, S.W.

LOCUM; qualified; experienced; good references. J. Green, 124 Russell Avenue, Wood Green, N.

A VAILABLE for Locum until November 30; qualified; 25. "R. A. C.," Clear Mount, Dorchester.

DISPENSER, Assistant, or Locum; good experience. "Dispenser," 37 Parliament Street, Gloucester.

LOCUM; 30; qualified; experienced all branches; Continental; disengaged. T. H. Buswell, Lutterworth.

DISPENSER-BOOKKEEPER; thoroughly experienced; good references. Stuart, 3 Friary Road, Newark.

MANAGER; qualified; abstainer; 35 years' experience; references. Findlay, 320 Cathcart's Road, Glasgow.

QUALIFIED (woman); Dispenser or Branch Manager; good references. Crooke, 23 High Street, Sutton Coldfield.

MANAGER; tall; varied experience; permanency; married. "Chemist," 15 Clarence Place, West Cliff, Whitby.

ASSISTANT; unqualified; willing; 33; disengaged; moderate salary. Kellard, 7 Grantbridge Street, Islington, N.

MANAGER or Senior; outdoors; age 31; single; qualified; good experience. "Beta," Belle Vue Pharmacy, Malvern.

LOCUM; day or week; 35 years' experience all branches; highest references. "Chemist," 33 Seaford Road, West Ealing.

SCOTSMAN; 24; qualified; first-class experience; abstainer; Manager or Senior; highest references. 265/36, Office of this Paper.

MANAGER; 40; smart, up-to-date worker; good Prescriber and Counterman; abstainer; unqualified. "W.," 15 Blackstock Road, N.

QUALIFIED (26), height 5 ft. 11 in., with West-end experience, requires permanent position; disengaged December. 265/9, Office of this Paper.

SITUATIONS WANTED *(continued).*

YOUNG Lady requires post as Dispenser or Assistant; Hospital or Doctor; Apothecaries' Hall qualification. P. Lord, 8 Manor Road, Twickenham.

MANAGER; qualified; temporary or permanent; good experience and references; London or suburbs. "H., 55 Archer Street, Bayswater, W.

ASSISTANT; 23; good Counterman; all-round experience, Dentistry, Impressions, Stoppings, etc.; own instruments. 265/8, Office of this Paper.

LADY requires post as Dispenser or Assistant, Hospital or Doctor; Apothecaries' Hall qualification; experienced; good references. Dallow, Whitecross, Hereford.

MANAGER; permanent or temporary; disengaged; qualified; married; age 47; 31 years' town and country experience. "Minor," 5 Helena Avenue, Margate.

JOHN EDWARDS, 20 Summerland Road, Minehead, desires engagement, Manager or Assistant, Dental Operator; varied experience; excellent references; unqualified.

UNQUALIFIED; 24; height 5 ft. 8 in.; 7 years' good Retail, Dispensing, and Photographic experience; disengaged. Whyte, 32 Crescent Grove, Clapham Common, S.W.

SMART, capable, unqualified; well up in all branches: Retail, Dispensing, Photographic; excellent references. D. Longbottom, Beech House, Constable Burton, Yorks.

YOUNG Chemist seeks post (Analytical); 2 years with Public Analyst, also Wholesale experience; excellent references. "A. C.," 34 Londesboro' Road, Stoke Newington.

MANAGER, Locum, or Managing Assistant; qualified; excellent references and experience; age 36; height 5 ft. 10 in. "Statim," 36 Ranelagh Gardens, Ravenscourt Park, W.

QUALIFIED; Manager or Assistant; 33; excellent references; good London and provincial experience; single; disengaged. "K.," c/o Mr. Thomas, Chemist, Wimbledon Park, S.W.

QUALIFIED; 24; Retail, Dispensing, Photographic; good West-End and provincial experience; disengaged; 5 ft. 7 in. "Xaea," Sylvio House, Hurgill Road, Richmond, Yorkshire.

QUALIFIED; Manager; 34; tall; married; thoroughly capable; excellent references; reasonable salary; up to date; Counter, Prescribing, and Dispensing. "Manager," 37 Fountain Street, Hull.

MANAGER; age 39; married; exceptional experience, West End, French, and provincial; first-class Counterman, excellent Window-dresser; 12 years present position manager. 265/27, Office of this Paper.

QUALIFIED; Manager or Senior; 34; gentlemanly; excellent references; high-class Dispensing, Retail, Photographic; Cheltenham, Leamington, Nailsworth, Margate experience. "Acetyl," 332 Moseley Road, Birmingham.

MANAGER; qualified; abstainer; 41; town or country experience; capable, obliging, energetic; neglected business with scope entertained; good Prescriber, Photographics; immediate 268/4, Office of this Paper.

QUALIFIED Foreign Chemist (24), well up in French, German, and English language, and in International Pharmacy (Paris and Leipzig), wishes a post in an English Pharmacy; highest references; moderate salary. Apply to Nic. Muller, Echternach (Luxembourg).

ITALIAN Pharmacist, qualified (age 31), speaking French, German, a little English, 10 years' Continental experience, abstainer, Photography, desires situation in English Pharmacy; only free board required. Apply, Farmacia Internazionale, Varazze, Genoa, Italy.

A YOUNG man, of good education and been five years in the business, requires a berth in a good business for about six months where he will obtain a thorough grounding in the routine work; salary a secondary consideration; indoors preferred. Apply J. K. (269/32), Office of this Paper.

ASSISTANT (35), married, desires berth; permanency; outdoors; 20 years' good experience, Retail, Dispensing, and Agricultural business; 14 years last situation, left owing to death of principal and business disposed of by auction; unqualified; excellent references; town or country. Hickin, 6 Skelthorpes, Ripon.

QUALIFIED; middle-aged; part-time. "Pharmacist," 338 Romford Road, Forest Gate, E.

OUTDOORS; reliable Assistant; London or suburbs. Jones, 129 Russell Avenue, Wood Green.

PART-TIME, evenings and 1 or 2 half-days. "Statim," 1 Burnley Road, Stockwell, S.W.

PART TIME or full; qualified; 42; energetic. "Chemist," 68 Donnington Park Road, West Hampstead.

MANAGEMENT; outdoors, or live on premises; married. Rowland, 47 Upton Lane, Forest Gate.

JUNIOR or Improver; good reference; moderate salary. "Cal-sis," 10 Guildford Street, Kentish Town, N.W.

ASSISTANT (young); experienced Dispenser; terms moderate. Sumat, 3 Bauister Road, North Kensington.

GERMAN Druggist (22), with good knowledge of Photography, desires situation. 272/5, Office of this Paper.

PART-TIME or Locum, London; wide experience; used Managing; 25; well recommended. 272/16, Office of this Paper.

QUALIFIED; Locum, Relief; morning, evening; or part-time; experienced. "Chemist," 2 Fleming Road, Kennington.

LOCUM or permanent; qualified; good experience and address; height 5 ft. 10 in. Longman, 17 York Chambers, Adelphi.

OCCASIONAL duty in London or Suburbs; Pharmacist; 32; good experience; highest references. 272/10, Office of this Paper.

DISPENSER, Apothecaries' Hall (lady), seeks post, Doctor or Chemist; references; bookkeeping. L. Atkinson, 96 Spring Bank, Hull.

PART-TIME, mornings, afternoons; competent, experienced Assistant disengaged. "Statim," 141 St. George's Road, Southwark.

YOUNG Lady, fully qualified, desires post as Dispenser in London; Hospital and private experience. "F. S.," 45 Millbrook Road, Brixton.

ASSISTANT; 22; unqualified; 7 years' good all-round experience; abstainer; excellent references. Mr. A. Smith, 51 Culloden Street, Poplar, E.

PHARMACEUTICAL Chemist (23), "Square" training, desires post of Demonstrator in a London School of Pharmacy. 271/15, Office of this Paper.

SENIOR or Manager; age 32; married; 18 years' good general experience; qualified; disengaged. "M.P.S.," 29 Church Avenue, East Sheen, S.W.

UNQUALIFIED (age 26), good appearance, requires berth in Store business; occupied at present in country business. Apply, 271/40, Office of this Paper.

LOCUM or Branch Manager; M.P.S.; qualified Optician; Photography; Fairchild Scholar; Silver Medallist; 24; tall. Hall 70 Bank Street, Maidstone.

CHEMIST; 47; single; first-class experience and references; disengaged 27th; Dispenser; Management or view to succession. "Chemist," 67 Fernhead Road, Paddington.

MANAGER; experienced; qualified; Prescriber and Extractor; active and energetic; knowledge of Photographic trade; temporary or permanent. Sumner, 6 Owen's Road, Winchester.

UNQUALIFIED open for engagement; 10 years' good Dispensing experience; London or Suburbs preferred; salary moderate; splendid references. "Bromaurum" (272/6), Office of this Paper.

COMPETENT Assistant, with good references; 43; tall; permanency or Locum; high-class Dispensing experience; half-days entertained; moderate salary. "B.," 6 Weston Park, Horn Lane, Acton, W.

QUALIFIED; 26; good-class experience; disengaged. "Para," 72 Norfolk Street, Oldham.

QUALIFIED; experienced; disengaged-November 30; aged 40. "Chemist," 109 Fentiman Road, S.W.

MANAGER, Senior, or Locum; 50; experienced, town and country; Prescriber. Atkinson, Bassenthwaite.

QUALIFIED; disengaged; Manager, Locum, or Assistant; Photo, Prescriber. Davies, Abermorddu, Wrexham.

UNQUALIFIED; 32; Prescriber, Dispenser, Extractor; Yorks preferred. "W. B.," 15 Worship Street, Hull.

JUNIOR; age 21½; height 5 ft. 10 in.; 4 years' experience; Photography; outdoors. 268/07, Office of this Paper.

MANAGER, Senior, Locum; Sine diploma; good sound experience. "Extractor," 86 Buxton Road, Stratford.

QUALIFIED; 37; open Management, Locum, etc.; best references. "Statim," 56 Ullswater Street, Liverpool.

QUALIFIED; any capacity; Locum or permanent; disengaged. "Chemist," 48 Conningham Road, Shepherd's Bush.

QUALIFIED Assistant or Manager (young); West-End, country, and Hospital experience. Herington, Dunstable.

MANAGER; qualified; up-to-date experience; thoroughly capable, reliable; abstainer. 268/3, Office of this Paper.

JUNIOR; 21; 6 ft.; 4 years' experience; good knowledge Photography; London preferred. 269/21, Office of this Paper.

LOCUM, retired Chemist, seeks engagements; wide experience; highest references. "Pharmacist" (268/18), Office of this Paper.

QUALIFIED; disengaged; excellent references; Dispensing, Counter, and Photo. Hodgkinson, Thornton Road, Stanwix, Carlisle.

JUNIOR Assistant (22), 4 years' experience, knowledge of Photography, seeks engagement. C. Fairhead, 34 Head Street, Colchester.

TEMPORARY or Locum; qualified: 35; experienced and thoroughly reliable; recommended by Maws, etc. Furber, 5 Abbey View, Bath.

LOCUM, Manager, or Assistant; London, North and South country experience; highest references. "Pharmacist," 50 Penny-Bryn, Wrexham.

PHARMACIST (woman), good Dispenser, general experience, wishes post. M. Dunlop, M.P.S., 23 Maitland Street, Dunfermline, Fifeshire.

QUALIFIED; 24; height 5 ft. 9 in.; permanency or temporary; good experience; excellent references; disengaged. 267/13, Office of this Paper.

JUNIOR or Improver; 21; London or district; indoors preferred; time for study required; excellent testimonials. "C.," 14 Cowley Road, Leytonstone.

ASSISTANT or Manager; experienced Retail; Dispensing, Prescriber, Extractor, Window-dresser; unqualified. "Salis," 64 Clarence Gardens, Regent's Park, N.W.

QUALIFIED (28), tall, best experience, reliable, excellent references, Dispensing or Counter, desires engagement; London preferred. 268/13, Office of this Paper.

QUALIFIED; Senior or Manager; single; 26; tall; abstainer; excellent experience, Dispensing, Counter, Photography; outdoors preferred. 257/21, Office of this Paper.

LONDON; unqualified; 22; experience general; last 3 years London, N.W.; recent testimonials; Dispensing; most willing; disengaged. Dillon, Gosberton House, Gosberton.

LOCUM, until April or shorter period, by experienced Pharmacist; manager high-class business; 33; Liverpool, Southport, or Blackpool districts. 268/38, Office of this Paper.

ASSISTANT; experienced; unqualified; good references; disengaged; married, no family; moderate salary; thoroughly reliable. "Statim," 21 Norwich Street, Cambridge.

MANAGER or Senior; qualified; tall; single; excellent all-round experience; energetic and up to date; best of references; permanency desired. 267/27, Office of this Paper.

DISENGAGED; thoroughly experienced Assistant; 49; single; permanency or Locum; well recommended; abstainer; unqualified. "Energetic," 5 Beaconsfield Cottages, Hillingdon.

UNQUALIFIED competent Assistant, energetic, seeks permanency; outdoors; excellent experience; London, North-West, preferred; disengaged; 35. "Sanitas," 62 Lancelot Road, Wembley, Middlesex.

QUALIFIED; 31; good references; moderate salary; Dispensing, Photographic, Prescribing, and General Retail experience; abstainer; small unopposed business with view to succession on easy terms entertained; disengaged any date. Ashmore, Sheep Street, Bicester.

PHARMACIST seeks Managership or Senior in good business, with a possible view to purchase; good appearance, tall; 20 years' all-round experience; reasonable salary. Anderson, 8 Victoria Avenue, Hull.

WHOLESALE.

Trade circulars, samples, and printed matter can in no case be forwarded.

JUNIOR (age 21½), height 5 ft. 10 in., good Retail experience, desires position in Wholesale. 268/7, Office of this Paper.

STOCKKEEPER or Assistant in Warehouse, Wholesale or Retail; age 18. Frank Williams, 147 Ossington Buildings, Marylebone.

TRAVELLER (37), experienced, requires engagement with good house, Drugs, Sundries, etc. Stow, 26 Spring View Road, Crookes, Sheffield.

TRAVELLER (young) requires engagement with good house; town or country; would go abroad; 4 years with last house. 267/36, Office of this Paper.

ADVERTISER, with thorough experience, desires post as Representative, or is willing to take up two or three good Agencies. 269/17, Office of this Paper.

TRAVELLER, representing in Scotland first-class London Drug-house, desires additional Agency for Pills, Tablets, or Sundries. 255/37, Office of this Paper.

POSITION with Wholesale or Manufacturing firm; anything with reasonable prospects; good home and Indian Retail experience; age 27; tall. 272/3, Office of this Paper.

DESPATCH Clerk (home and export), aged 24, with 6 years' experience in leading firm, desires to improve his prospects; excellent references. 267/8, Office of this Paper.

REPRESENTATIVE, Drugs or Sundries; advertiser, sound connection South and West of England, at liberty to represent first-class house. "A. R." (268/19), Office of this Paper.

PERFUMER, Grand Prix Paris; young English Chemist, with good ideas and taste, desires post as head of department; good organiser; references. 267/18, Office of this Paper.

TRAVELLER, with good-established personal connection all best Chemists on South and South-West Coast, is open to Represent good house, Drugs or Sundries, or good Proprietary line. Reply to 265/33, Office of this Paper.

YOUNG man, age 32, seeks situation in Manchester either as Traveller or to assist in Bookkeeping and Invoicing; 15 years' experience in Druggists' Sundry trade; excellent references. 269/4, Office of this Paper.

EXPERIENCED Chemist; 35; practical knowledge of Manufacture of all Galenicals, Malt Extract and Diastasio Compounds, Fine Chemicals and Scale Preparations. Write, in confidence, to 269/22, Office of this Paper.

TRAVELLER is open to represent one other house on part expenses and commission; connection amongst Doctors, Chemists, etc.; North-West Counties; energetic; highest references; well introduced. "Radix" (267/25), Office of this Paper.

REPRESENTATIVE (33), Minor qualification, having spent (after 15 years' Retail Counter and Dispensing experience) 4 years introducing high-class Pharmaceutical Preparations to Medical Men, Dentists, Nurses, Chemists, Grocers, and Institutions in Scotland and England—chiefly interviewing—would like to Represent a good firm (Chemists or Allied trades); highest references; disengaged. 269/18, Office of this Paper.

SITUATIONS WANTED

(Colonial, Indian, and Foreign).

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of 6d.

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.

AUSTRALIA.—Unqualified; good references; Store trade; pushing; abstainer. "Colony," 12 Angasta Road, Ramsgate.

SITUATION wanted in Colonies or abroad; qualified; 30. Full particulars from "Aspirin" (269/12), Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Telephone 81 Lee Green.

SHARES FOR SALE (free of commission, subject).—105 Baiss Bros. & Stevenson 5½ per cent. Preference, 12s. 6d.; 20 Brunner Mond, 10s. 3d.; 30 Parke's Drug 6 per cent. Preference, 10s. 1½d.; 100 New Transvaal Chemical Co., 48s. (25 per cent. dividend paid yearly since 1905, next due January); 150 Idris "A" 6 per cent. Preference, 5s. 9d.; 50 Evans Lescher Preference, 102s. 6d.; 20 A. J. White Ordinary, 1s. 9d.; 100 Preference, 10s. 9d.

WANTED (subject).—100 Cumwall Preference, 5s. 4½d.; Debentures, £34; 200 Idris "A" Preference, 4s. 9d.; 150 Wright Layman Preference, 20s.

List of shares for sale and wanted sent free on application. Bankers, London County and Westminster. Established 1898.

AMAZINGLY CHEAP LINES IN SECOND-HAND FITTINGS.—1 6-ft. Dispensing-soreen, mirror centre, with handsome carving, £4 10s.; 1 set Plate-glass Shelves, with Tapped Bars and Brackets, 63s.; 1 6-ft. bent-front Counter-case, 70s.; 1 Silent Salesman, 2 ft. by 3 ft. by 1 ft. 6 in., with Glass Shelves, etc., 75s.; 1 12-ft. Drug-fixture, containing Mahogany Gold-labelled Drawers, Shelving, etc., £9; 1 Range of inclusive Counter Drawers, 42s.; 120 Gold-labelled Bottles, assorted sizes, £4 15s. R. TOMLINSON & SONS, Headquarters for Chemists' Shopfittings, Bond Street, Constitution Hill, Birmingham.

COMPLETE second-hand Chemist's Fittings for Sale.—Ranges of Spanish Mahogany Shelving and about 100 Drug Drawers and Cupboards, Mahogany Counter with return end, Dispensing-screen, Wall-case, Perfumery-case and Bent Counter-case; the lot for £45; cost £300; also 3 second-hand Dispensing-screens, at give-away prices. D. Matthews & Son, 14 & 16 Manchester Street, Liverpool.

THAT HA'PENNY POSTCARD

that I have been expecting from you, my reader, appears to have been forgotten. That you want to increase your retail or post order trade, is certain, then why not write for the free booklet, "HOW I INCREASE CHEMISTS' BUSINESSES." Just a postcard will bring it. 900 Testimonials.

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SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, **RUDDUCK & CO., 262 Old Street, E.C.**

SHOPFITTINGS (equal to new).—13-ft. Drugfitting, with Mahogany and Glass-labelled Drawers, etc.; 12-ft. Mahogany and Plate-glass Serving-counter, with Counter Drawers at back; Mahogany and Plate-glass Perfumery Showcase and Desk; 6-ft. Mahogany and Bent Plate-glass Counter Showcase; 10-ft. handsome Mahogany Wall Showcase; 6-ft. Mahogany and Plate-glass Dispensing-soreen and Counter, with Sponge-case; all in excellent condition; price £60; ready for immediate use. **PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.**

CHEMISTS' second-hand large Stock of Drug-fittings, Wall-cases, Dispensing-screens, Glass-fronted Counters, Window-enclosures, Mirrors, Window Shelves, Swan-neck Carboys; also complete Fittings for large Drug Stores; cheap to clear; estimates free. H. Mills, Chemists' Up-to-date Shopfitter, Shop-front Builder, Steam Works, 163-5 Old Street, London, E.C. Phone 550 London Wall.

JOB Photographic or General Stock wanted in exchange for a collection of 100 or more high-class Photographs, purchased from the trustees of an appointed Royal Photographer, published at 1s. and 2s. each; views covering Great Britain and South Africa; chance of securing a lovely collection. "Chemicus," 22 Westminster Road, Handsworth, Birmingham.

MAKE AN EFFORT THIS WINTER

to secure more trade. Increase the sales of your own Specialities by up-to-date ideas and methods. No matter what class of business you have, you can adapt my system to it. Send for Booklet, "How to Increase Your Business," post free to Pharmacists only, which explains my system, etc. A Pharmacist writes this week, "Please book me for another year," another, "I like your ideas, and find them very successful, you are a very great help to one in business."

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"**PHARMACEUTICAL JOURNAL**" exchanged weekly for "Chemist and Druggist." **FRECKLEY, Stone Road, Loughton, Staffs.**

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WHAT offers, 6 oz. santonine? **BELLAMY, 31 Agnes Road, Barnsley.**
MENTHOL, 5-lb. tin Kohayashi brand; offer wanted. SWINDELLS Bros., Chemists, Hyde.

FOR sale, 3 oz. genuine otto of rose, 8 oz. ol. lavand, Mitcham opt.; what offers? Apply, 12 Crosby Road, Holbeck, Leeds.

PROPRIETARY ARTICLES.

- WHAT offers, 28 lb. Bland pills (Richardson's)? 271/24, Office of this Paper.
- VIROL. 11 2s. 11d. size, 22 1s. 8d. size, 10 1s. size; what offers? Address, F. G. WALTON, Wolverhampton.
- WHAT offers for whole or part 16 doz. 3d., 7½ doz. 6d., 2 doz. 1s., "Australian Bushman Brand" eucalyptus oil? WALMSLEY Bros., LTD., Halifax.
- OVERSTOCKED.—5 2s. 9d. Sirolin, 6 1s. 1½d. Geraudel's pastilles, 12 boxes Tesco soap; all good condition; what offers? "CHEMIST," 261 Dewsbury Road, Leeds.
- 2 DOZ. 1s. 1½d. Iron Jelloids, No. 2 (adult), 10s. doz.; ½ doz. 2s. 9d. Iron Jelloids, No. 2, 12s.; 5/12 doz. 7½d. Pom soap powder, 2s. 3d., carriage paid. WILKINSON, Chemist, Rotherham.
- WHAT offers?—4 doz. each 1- and 2-oz. Lescol perfumes, Ozonia; 6 doz. Curasol sulphur socks; 200 presentation prints of the King. 226/49, Office of this Paper.
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- *CHEAP second-hand dispensing cabinet for country surgeon. 264/26, Office of this Paper.
- TWO-GRAIN pill machine, in good condition. Price to WESTMORELAND, 311 High Street, Chatham.
- *SPIROMETER, cheap, second-hand; also weighing chair. "PHRENO," 35 Town Hall, Bourne-mouth.
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- QUOTATIONS wanted for formaldehyde, 40 per cent., in 20 to 30 gall. casks. NOBLE, Pharmacist, South Croydon.
- *OPTICAL books; Minor, Major Chemists' books; send prepaid for valuation; cash offers per return. GOWER, Bookseller, Waterloo, Liverpool.
- BACK numbers of "Chemist and Druggist," 1859-1900; "Year Book of Pharmacy," 1870-85, '95, '96, 1901, 1906-10; "British Association Reports," 1831-60, 1880, 1885, 1900-2, 1904-10; "The Analyst," 1876 date. Send price on p.c. to 263/8, Office of this Paper.

ADDRESSES WANTED.

ADDRESS of advertiser 268/4 in this issue CHEMIST AND DRUGGIST.

COMING EVENTS.

This section of the "C. & D." is reserved for advance notices of meetings or other events which are sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Tuesday, November 14.

Bradford Chemists' Association, Great Northern Victoria Hotel, at 8.30 p.m. Address by Mr. Woolcock.
Stockton-on-Tees Pharmacists' Association, Tatc's Café, at 9 p.m. Monthly meeting

Wednesday, November 15.

Cardiff Pharmaceutical Association, Carlton Hotel, at 7 p.m. Whist-drive. Tickets (2s. each) from Mr. W. R. Williams, Hon. Secretary, 60 Woodville Road, Cardiff.
Midland Pharmaceutical Association, Grand Hotel, Birmingham, at 7.30 p.m. Opening of the session. Reception at 7.30; supper at 8.30. Tickets (2s. 6d. each) from Mr. H. Buckingham, Hon. Secretary, Jersey House, Frederick Road, Aston Manor.
Public Pharmacists' and Dispensers' Association (Poor Law Section), 53 Clerkenwell Road, London, E.C., at 8.15 p.m. Discussion on matters affecting Poor-law pharmacists.
Salford Pharmacists' Association, Cattle Market Hotel, Cross Lane, at 6.45 p.m. Annual dinner. Tickets (4s. each) from Mr. C. B. Browne, Ph.C., Victoria Bridge, Manchester.

Western Pharmacists' Association, Alexandra Room, Restaurant Frascati, Oxford Street, London, W., at 7 p.m. Annual dinner, at which will be present Mr. C. B. Allen (President of the Pharmaceutical Society), Dr. Macdonald Brown, and Professor Dixon. A good musical programme has been arranged. Tickets (7s. 6d. each) may be had from Mr. A. Latreille, 48 Baker Street, W.

Thursday, November 16.

Chemical Society, Burlington House, London, W., at 8.30 p.m. Among the papers to be communicated are the following: "Chemical Examination of Calabar Beans," by Mr. A. H. Salway; "Copper Salts and their Behaviour with Alkalies," by Professor S. U. Pickering; "Contributions to the Chemistry of the Terpenes. Part XII. Synthesis of a Menthadiene from Thymol, and of a Dihydrodiethyl Benzene from Phenol," by Messrs. G. G. Henderson and R. Boyd.

Glasgow and West of Scotland Chemists' Association, 51 West Regent Street, Glasgow, at 8 p.m. Mr. T. Guthrie on "Dispensing Charges under the National Insurance Bill."

Institute of Ophthalmic Opticians, Cannon Street Hotel, London, E.C., at 8 p.m. Mr. H. G. Critchley, M.D., lantern-lecture on "The Fundus of the Eye in Health and Disease."

Liverpool Chemists' Association, Royal Institution, Colquitt Street, at 8 p.m. Discussion on methods of improving the Association and increasing the membership.

Chemists' Assistants' Association, 73 Newman Street, Oxford Street, London, W., at 9 p.m. Mr. F. Pilkington Sargeant on "The Evolution of a Tincture."

ASSOCIATION OF WOMEN PHARMACISTS.—The seventh annual meeting will be held at 17 Bloomsbury Square, London, W.C., on November 20, when Professor Dixon, M.D., will deliver a lecture on "The Relation of the Pharmacist to Therapeutics."

CHEMISTS' BALL.—Mr. Alan Francis, 22 to 30 Graham Street, City Road, London, N., the Hon. Secretary of the Chemists' Ball, which will be held at the Hôtel Métropole on January 17, 1912, intimates that he is desirous of receiving as soon as possible the names of gentlemen willing to act as stewards.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, NORTH BRITISH BRANCH, 36 York Place, Edinburgh.—The opening evening meeting will be held on November 24, when Dr. Ellis, lecturer on botany at the Glasgow and West of England Technical College, will lecture on "Bacteriology in Relation to the Work of Pharmaceutical Chemists."

CHEMISTS' ASSISTANTS' ASSOCIATION.—The annual reunion (smoking-concert) will be held in the Alexandra Hall, Restaurant Frascati, Oxford Street, London, W., on November 30, under the chairmanship of Mr. Alan Francis. The following artistes have been engaged: Miss Doris Lee (comediennne), Mr. Harry Barratt (baritone), Mr. Ernest Sewell (sleight-of-hand), Mr. Charles Wreford (dialect), Mr. William Aspinell (tenor), Mr. Fred Curtis, Mr. Lauri Wyllie and his toy theatre, Mr. Frank Powell and Mr. Harry Hall (humorists). Tickets (1s. 6d. each) are obtainable from Mr. Alf. R. Arrowsmith, 4 Stratford Place, Oxford Street, W., or Mr. C. W. Martin, 98 Camberwell New Road, S.E.

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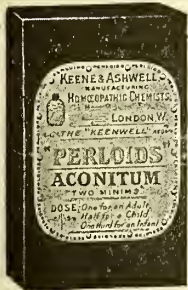
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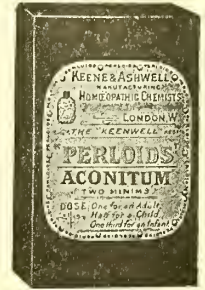
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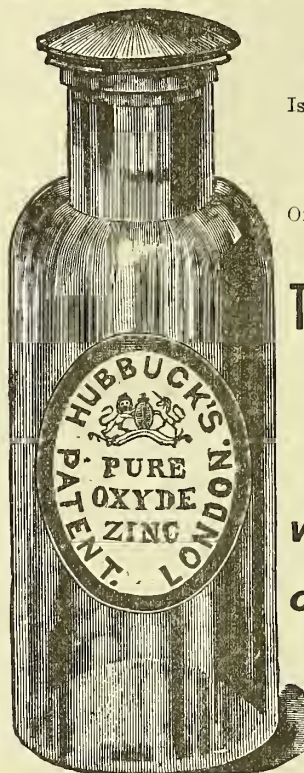
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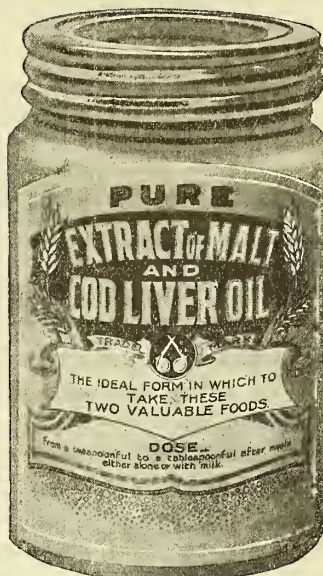
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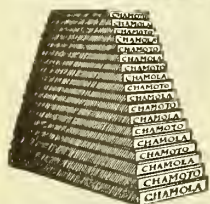
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Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this paper on Terms as below.

Acid. Salicyl. pulv., 7 lbs. @ 1/1 lb.; phys. pure, 1 lb. @ 3/- lb.
 " Carbol Xtls. 39/40; 56 lbs. @ 7½d. lb.; 10 lb. tins @ 7/- each; 36 1-lb. Bots. @ 10½d. lb.; Single Bots. 1/1 each; Detached Cryst. 10 lb. Tins @ 8/6 each; 1 lb. @ 1/3 each; Crude Black, 45 Gall casks @ 1/- gall; 1 Gall. Tins @ 1/6 each.
 Adeps Benz., B.P., 28 lbs. @ 7½d. lb.; 7 lbs. @ 8½d. lb.
 Adeps Lanae, B.P., Anhydrous, 2 cwt. @ 52/6 cwt.; Hydrous @ 49/- cwt.; 1 cwt. @ 2/- cwt.; 28 lbs. @ 5/- cwt.; 14 lbs. @ 8/- cwt. 7 lbs. @ 12/- cwt. extra.
 Aloin, B.P., 1 lb. @ 3/9 lb.
 Ammon. Chlor., 99% pulv., 1 cwt. @ 33/- cwt.; 7 lbs. @ 4d. lb.; Batteries, 4/- cwt. extra.
 *Aqua Anethi Conc. 1-40, 1 lb. @ 2/11 lb.
 " Anisi Conc. 1-40, 1 lb. @ 3/1 lb.
 " Cinnam. Conc. 1-40, 1 lb. @ 3/4 lb.
 " Aurant. Trip., 53 lbs. for 17/6; 6 lbs. @ 7d. lb.
 " Aurant. Conc., 1-40, 1 lb. @ 6/1 lb. [lb.
 " Rosæ Trip., 53 lbs. for 20/-; 6 lbs. @ 7d. lb.
 " Rosæ Conc., 1-40, 1 lb. @ 6/- lb.
 " Samb. Trip., 53 lbs. for 23/6; 6 lbs. @ 8d. lb.
 " Samb. Conc., 1-40, 1 lb. @ 6/1 lb.
 " Laurocerasi, 53 lbs. for 20/-; 6 lbs. @ 7d. lb.
 " Ment. Pip. Conc., 1-40, 1 lb. @ 3/- lb.
Bismuth, P.B., Carb., 7 lbs. @ 8/10 lb.; 3 lbs. @ 9/1 lb.; 1 lb. @ 9/3 lb.; subnit., 1/- lb. less.

*Ext. Nucis Vom., Liq., P.B., 5 lbs. @ 3/- lb.; 1 lb. @ 3/3 lb.; solid, 5 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.
 Ext. Quassia, Solid, 7 lbs. @ 6/- lb.; 1 lb. @ 6/4 lb.
Ferri et Quininae Cit., P.B., 500 ozs. @ 3d. oz.; 100 ozs. @ 3½d. oz.; 25 ozs. @ 3½d. oz.
Glycerin. Opt., D.D., 1260 P.B., 1 cwt. @ 112/- cwt.; 56 lbs. @ 113/- cwt.; 12 lbs. @ 1/3½ lb.
Hexamethylentetramine, 7 lbs. @ 2/- lb.; 1 lb. @ 2/3 lb.
 *Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
 " Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
 " Buchu Conc., 1 to 7, 6 lbs. @ 1/8 lb.
 " Calumbæ Conc., 1 to 7, 6 lbs. @ 11d. lb.
 " Caryoph. Conc., 1 to 7, 6 lbs. @ 11d. lb.
 " Cascarella Conc., 1 to 7, 6 lbs. @ 1/2 lb.
 " Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/7 lb.
 " Gentianæ Co., 1 to 7, 6 lbs. @ 1/- lb.
 " Quassia Conc., 1 to 7, 6 lbs. @ 9d. lb.
 " Rhei Conc., 1 to 7, 6 lbs. @ 1/5 lb.
 " Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 1/8 lb.
 " Senegæ Conc., 1 to 7, 6 lbs. @ 2/- lb.
 " Valerian Conc., 1 to 7, 6 lbs. @ 1/3 lb.
Linseed c. Oil, Crushed, 3 cwt. @ 24/6 cwt.; 1 cwt. @ 25/- cwt.
 *Liq. Ammonii Acetatis Conc. 1-7, 6 lbs. @ 8d. lb.; 1 lb. @ 10½d. lb.
 " Ammon. Aromat., 6 lbs. @ 9d. lb.
 " Bismuth, P.B., 6 lbs. @ 1/1 lb.
 " Copaiba Bucha et Cubeb, 5 lbs. @ 2/6 lb.; 1 lb. @ 2/10 lb.

Ol. Olivæ P.B., good yellow, guaranteed pure, 45 gall. Barrels @ 4/8 gall; 2 gall. tins @ 5/8 gall.; Cream, 9 lb. tins @ 7/2 each.

Phenacetin, P.B., pulv., 1 cwt. @ 2/8 lb.; 7 lbs. @ 2/10 lb.; 1 lb. @ 3/- lb.
 Phenazone, P.B., 7 lbs. @ 6/11 lb.; 1 lb. @ 7/6 lb.
 Phenolphthalein, 7 lbs. @ 6/2 lb.; 1 lb. @ 6/8 lb.
 Plumbi Acetas, Druggists', 1 cwt. @ 34/6 cwt.; 7 lbs. @ 5d. lb.; Powder, 1½d. lb. extra.
 Potass. Brom. P.B., 1 cwt. @ 1/4 lb.; 28 lbs. @ 1/4½ lb.; 7 lbs. @ 1/6 lb.
 Potas. Chlor. Pulv., 1 cwt. @ 4d. lb.; 7 lbs. @ 5d. lb.
 Potass. Cit., B.P., 7 lbs. @ 1/7 lb.
 Potass. Cyanidum, 98%, 1 cwt. @ 11½d. lb.; 7 lbs. @ 1/2 lb.
 Potass. Iod. P.B., 1 cwt. @ 7/9 lb.; 14 lbs. @ 7/10 lb.; 3 lbs. @ 7/11 lb.
 Potass. Permang., Cryst., 1 cwt. @ 39/- cwt.; 7 lbs. @ 5d. lb.; large cryst., 7 lbs. @ 6d. lb.
 Pulv. Cretæ Arom. P.B., 14 lbs. @ 7d. lb.
 Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 35/- cwt.
 Pulv. Ipecac. Comp. P.B., 1 lb. @ 4/3 lb.
 " Jalap Comp. P.B., 1 lb. @ 1/6 lb.
 " Rhei Comp. P.B., 1 lb. @ 1/2 lb.

Rad. Gentian, English Ground, 1 cwt. @ 37/- cwt.; 7 lbs. @ 5d. lb.
 Rad. Jalap, English Ground, 28 lbs. @ 2/- lb.; 7 lbs. @ 2/2 lb.

Saffron, Valentia, B.P., 7 lbs. @ 41/6; 1 lb. @ 43/6 lb.; 1 oz. @ 3/1 oz.

COD LIVER OIL. OLIVE OIL. SALICYLATES.

Camphor, English Flowers, "not artificial," 5 lbs. @ 2/- lb.; ½ or ¼ oz. 7 lbs. @ 2/- lb.
 Cetaceum, No. 1, fine white English, 64 lbs. @ 1/2½ lb.; 7 lbs. @ 1/4 lb.; powder, 7 lbs. @ 1/9 lb.
 *Chlorodyne, 5 lbs. @ 1/11 lb.
 *Chloroform, pure B.P., 12 8-lbs. @ 1/7½d. lb.; 8 lbs. @ 1/8½ lb.; 6 1-lb. bots. @ 1/10½ lb.
 Chlorophyll, 7 lbs. @ 5/- lb.; 1 lb. @ 5/9 lb.
 Cocaine Hydrochlor., B.P., 25 ozs. @ 8/6 oz.; 4 ozs. @ 9/- oz.; 1 oz. @ 9/5 oz.
 Conf. Sennæ, P.B., 14 lbs. @ 8d. lb.; 7 lbs. @ 8½d. lb.
 Cream Tartar, 98% powder, 1 cwt. @ 93/-; 11d. lb.
 Creasote, Beechwood, P.B., 22 lbs. @ 1/9½ lb.; *7 lbs. @ 1/11½ lb.

Disinfectant Fluid, Cresl. Co-efficient, 1-2, 45 galls. @ 1/2½ gall.; 5 galls. @ 1/4 gall.; 1 gall. @ 1/8 gall.

Ess Bergam (Oil), 12 lbs. @ 18/- lb.; 1 lb. @ 19/- lb.; not guaranteed absolutely pure.
 Ess Limonis (oil) original coppers, 12 lbs. @ 4/6 lb.; 6 1-lb. bots. @ 4/9 lb.; not guaranteed absolutely pure.
 Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 1/0½ lb.; 10 lbs. @ 1/2 lb.
 *Ext. Glycyrrh. Liq., B.P., 6 lbs. @ 1/4½ lb.
 " Ext. Hamamelis, Dest., 6 lbs. @ 1/1 lb.
 " Hamamelis, Liq., P.B., 5 lbs. @ 3/5 lb.
 Ext. Hyoscyam., Solid, B.P., 3 lbs. @ 4/9 lb.; 1 lb. @ 5/1 lb.
 *Ext. Ipecac. Liq., P.B., 5 lbs. @ 14/2 lb.; 1 lb. @ 15/2 lb.

*Liq. Easton., p.s. 1-3, B.P., 1 lb. @ 3/- lb.
 " Ferri Iod. p.s. 1-7, 1 lb. @ 5/5 lb. [4d. lb.
 " Ferri Perchlor. Fort., P.B., 7 lbs. @ 7/10 lb.
 " Ferri Phosph. Co. p.s., 1-7, 7 lbs. @ 1/6 lb.
 " Hypophosph. Co. p.s., B.P.C., 1 lb. @ 3/4 lb.
 " Iodi Fort. B.P., 5 lbs. @ 4/9 lb.
 " Pruni Virg. p.s. 1-7, 5 lbs. @ 2/2 lb.
 " Rboeasos pro syr., 1 to 7, 5 lbs. @ 1/11 lb.
 " Rhei p.s., 1-7, 6 lbs. @ 2/2 lb.
 " Sennæ pro Syr. 1-7, 6 lbs. @ 2/- lb.
 " Tolut pro Syr. 1-7, 6 lbs. @ 1/3 lb.
 " Trinitrini B.P., 1 lb. @ 6/1 lb.
 Lithia Carb. P.B., 28 lbs. @ 2/8 lb.; 7 lbs. @ 2/10 lb.; 1 lb. @ 3/- lb.

Mag. Calc. Levis. 56 lbs. @ 8d. lb.; 5 lbs. @ 10d. lb.; 1 lb. @ 1/- lb.
 Mag. Calc. Pond., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.
 Mag. Carb. Pond., 56 lbs. @ 6½d. lb.; 7 lbs. @ 7½d. lb.
 Mag. Carb. Levis., 1 cwt. @ 25/-; 7 lbs. @ 4d. lb.
 Mag. Cit. Gran., 28 lbs. @ 8d. lb.; 6 lbs. @ 9½d. lb.

Naphthalene Candles or Balls, 1 cwt. @ 12/6 cwt.; 56 lbs. @ 14/6 cwt.; 28 lbs. @ 16/- cwt.

Ol. Ment. Pip. English, 5 lbs. @ 33/6 lb.; 1 lb. @ 35/- lb.; Hotchkiss original bots., 21 oz. each @ 16/3 lb.; 6 bots. @ 15/9 lb.; 18 bots. @ 15/6 lb.; American, 20 lbs. @ 12/9 lb.; 4½ lbs. @ 13/5 lb.; 1 lb. @ 13/11 lb.
 Ol. Caryoph. Ang., B.P., 9 lbs. @ 4/9 lb.; 4½ lbs. @ 4/11 lb.
 Ol. Morrhuæ, Nov. 1911, finest non-freezing, 25 gall. tin-lined barrels @ 116/- per barrel; 2-gall. tins @ 6/- per gall.

Sal. Acetos., 1 cwt. @ 5d. lb.; 56 lbs. @ 5½d. lb.; 7 lbs. @ 6½d. lb.
 Salol, B.P., 7 lbs. @ 2/3 lb.; 1 lb. @ 2/6 lb.
 Santoninum, P.B., 7 lbs. @ 58/- lb.; 1 lb. @ 60/- lb.
 Sbellac (Orange), 1½ cwt. @ 74/- cwt.; 7 lbs. @ 9d. lb.
 Soda Caustica, 28 lb. tins @ 8½d. lb.; 6 1-lb. Bots. @ 10d. lb.
 Soda Salicyl. Pulv., 7 lbs. @ 1/5 lb.; phys. pur., 28 lbs. @ 2/2 lb.; 1 lb. @ 2/5 lb.
 Soda Sulphocarbolas, B.P., 7 lbs. @ 10½d. lb.; 1 lb. @ 1/1 lb.
 Sodii Bromid., P.B., 1 cwt. @ 1/7½ lb.; 7 lbs. @ 1/9½ lb.
 Soda Hyposulphite, pea cryst., 1 cwt. @ 8/6 cwt.

*Spt. Ether Nit. P.B., 4½ lbs. @ 3/6 lb.; 1 lb. @ 3/9 lb.

*Sp. Ammon. Aromat. P.B., 5 lbs. @ 2/8½ lb.
 *Spt. Chloroformi, P.B., 5 lbs. @ 3/7 lb.
 Strontium Bromide, 1 cwt. @ 1/4 lb.; 7 lb. @ 1/7; 1 lb. @ 1/10 lb.
 Strychnina cryst. B.P., 25 ozs. @ 2/2 oz.; 1 oz. @ 2/6 oz.; Hydrochlor. and Sulphate, 2d. oz. less.

Ung. Acid. Boric. P.B., 28 lbs. @ 6d. lb.; Flav 28 lbs. @ 4½d. lb.
 " Acid Carbol. B.P., 28 lbs. @ 8d. lb.; 7 lbs. @ 9d. lb.; 1 lb. @ 11d. lb.
 " Hydrargyri, B.P., 28 lbs. @ 1/10 lb.; 7 lbs. @ 2/- lb.
 " Hydrarg. Ammon. B.P., 28 lbs. @ 11d. lb.; 7 lbs. @ 1/2 lb.
 " Sulphuris, B.P., 28 lbs. @ 10d. lb.; 7 lbs. @ 11d. lb.
 " Zinci Oxid. Benz. B.P., 28 lbs. @ 7½d. lb.

*Minimum quantity at these prices: Home Trade, 8 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.

NOTE.—Only Terms Net Cash with order without discount, or orders accepted through London Merchants or Bankers. Goods carriage forward; all packages free; Export cases extra.

ALLIANCE DRUG & CHEMICAL CO., LONDON.

Office: 34 LEADENHALL STREET.

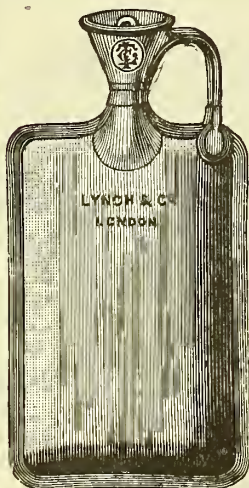
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Reduced Prices for
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**Hot-Water
BOTTLES**BEST BRITISH
MANUFACTURE.

QUALITY & WEIGHT GUARANTEED.



6 × 8 ... each	3/1
6 × 10 ... each	3/5
6 × 12 ... each	3/10
8 × 10 ... each	4/5
8 × 12 ... each	4/9
8 × 14 ... each	5/2
10 × 12 ... each	5/8
10 × 14 ... each	6/4
10 × 16 ... each	6/10
12 × 14 ... each	7/2
12 × 16 ... each	7/11

TWO YEARS GUARANTEE.Subject to **10% Discount**, and **£2** worth
CARRIAGE PAID.In 14 lb. Lots **5/2** lb. Net.

CUSTOMER'S OWN NAME FREE ON 3 DOZEN.

COMPLETE PRICE LIST
:: ON APPLICATION. ::**MAY ROBERTS & Co., Ltd.,**
LONDON AND DUBLIN.**BAILEY'S****TRUSSES**WHOLESALE.
BEST QUALITY.ACTUAL MAKERS.
BOTTOM PRICES.**MADE ON THE PREMISES.**

Speciale Despatched in 24 hours.

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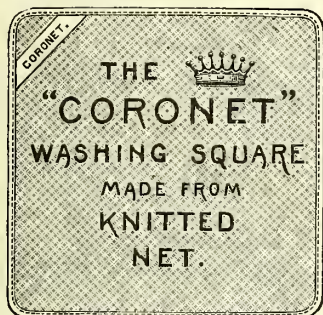
		Double.
Bailey's Circular Trusses	23/-	37/-
2nd quality ...	16/9	31/6
Special "Marone," with Customer's Name in Gold...	26/-	43/-
Correspondence invited.	Best Shipping Terms.	

38 Oxford St., LONDON W* **Astounding Prices.** ***BOTTLES** DISPENSING **7/- 6/- 5/9**
per gross net.**YORKSHIRE MAKE.** GREEN PANELLLED
1/- gross extraPLAIN OR GRADUATED. OTHER SIZES AT
PROPORTIONATELY LOW PRICES.

Crates 1/- each, containing 6 gross.

Carriage paid within 100 miles of Leeds.

CORKS. Four sizes (1 dr. to 8 oz.)
in 6 gross bags of one size
6d. per gross.**TERMS.** Net Cash 7 days. Trade references required
on opening new account.* **THOMAS SWALES** * Druggists' Sundryman *
24 BUTT'S CT., LEEDS. ***"FERNLEIGH" SALINE.**REGULATING, INVIGORATING,
COMFORTING, AND NO GRIPING
IN ACTION.:: **ALL CHEMISTS.** ::For Wholesale Terms apply to
LEWIS SMITH, Chemist, HEREFORD,
SOLE AGENT FOR GREAT BRITAIN AND COLONIES.



THE DAINTIEST ON THE MARKET.

Neatly Bound (not over-sewn) Edges.

Three sizes { 3d. 8 inches square.
4½d. 10 "
6d. 12 "

1 Dozen in a box.

OF ALL WHOLESALE HOUSES.

SOLPORT BROS.

Manufacturers of
**DRUGGISTS' SUNDRIES
& TOILET SPECIALITIES.**

**188 & 190 GOSWELL ROAD,
LONDON, E.C.**

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WE WARN BUYERS that fraudulent and ineffective articles purporting to be Ichthyol, or "equal to Ichthyol," are offered by unscrupulous dealers.

GENUINE ICHTHYOL, as it has been studied and is wanted by the Medical Profession and supplied all the time to the Trade, is delivered by us in tins and bottles under our special label with our name, and can be obtained in original packing from any wholesale druggist in the U.K. The use of our Registered Trade Marks "ICHTHYOL" and "ICHTHYOLATE" for any other product means deception and dishonesty, and will entail their penalties.

PHYSICIANS, CHEMISTS, and DRUGGISTS are requested to report to us all cases where imitation products are suspected.

**Ichthyol-Gesellschaft,
Cordes, Hermann & Co.,
HAMBURG.**

In these days of close-cut profit what a treat it is to come across a line showing **100%**, yet the

"A1" SNUFFS,

both on the P.A.T.A. at **3½d.**, show **more than 100%**.

These two lines are well known; the **Menthol Snuff** being in imitation Oak Tins, and the **Menthol and Eucalyptus** in the imitation Tortoise-shell Tins.

NOW, to Encourage chemists, to make a Special **Push** of these lines the following **Exceptional Offer** is made, expiring on **December 11th**. With **every gross** ordered an

**EXTRA DOZEN WILL BE
GIVEN as a BONUS.**

LOOK at the PROFIT!

- (1) 13 dozen will **cost** you 18/-, realising at **3½d.** each **45/6 = 27/6 profit**, which is **150%** on outlay.
- (2) 65 dozen at 5-gross price will cost you **82/6** realising at **3½d.** each, **227/6 = 145/- profit** which is **175%** on outlay.

SHOWCARDS SUPPLIED.

This is the kind of article to **push** and show. **Now is your chance** at the opening of Winter.

Important. The Bonus dozens must be sold at the P.A.T.A. price.

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**MANUFACTURING CHEMISTS,
Whitecross Works, London, S.E.**

JUDSON'S Straw Hat DYE

Has NO GLOSS!

Makes an Old Hat New
at a COST OF **3d.**

All the Latest Shades
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Mack's Road, Bermondsey.

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Cleans & Polishes
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Makes Everything Look Like New.

A Polishing Cloth Given with Every Bottle.

THE LIQUID POLISH REVIVER
THAT IS NOT GREASY NOR
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**Superior Cleansing
Antiseptic and Disinfectant.**

USED IN ALL THE PRINCIPAL HOSPITALS THROUGHOUT THE WORLD.

LYSOL is not a sticky coal-tar Disinfectant composed of crude carbolic acid and unrefined cresols, but an absolute cleansing antiseptic and disinfectant recognised and approved by doctors and nurses.

SOLD ONLY THROUGH CHEMISTS. Embossed Show Plaques, richly enamelled, free on application.

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ON TIN.**



MAKERS OF HIGH-CLASS.
DECORATED & PLAIN TIN BOXES
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APPLY TO

NEW CHARFORD MILLS, BIRMINGHAM.

W. G. TAYLOR,

A Branch of Southall Bros. & Barclay, Ltd

(Established 60 Years.)

WHOLESALE ONLY.

Manufacturer of
**LINTS, ABSORBENT
COTTONS & GAUZES, at
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and BROMSGROVE.**

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Perfume, Screw-capped, and Medical Bottles of all kinds,
Graduated Measures, Druggists' Sundries.

Illustrated Catalogues free.



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FOR ALL PURPOSES.

Simplicity, Efficiency,
Low Running Costs
and Initial Outlay
are among the
advantages of

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LEAKAGE
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Supplied to
the leading Manu-
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Write for particulars to

R. A. LISTER & Co.,

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Press Dep. Dursley, Glos.

(2)

PATENT EMULSIFIER

The "2 in 1" Machine.

Specially designed to meet
the needs of Chemists, Who-
sale and Retail. For emul-
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material **in one operation**

without previous mixing.

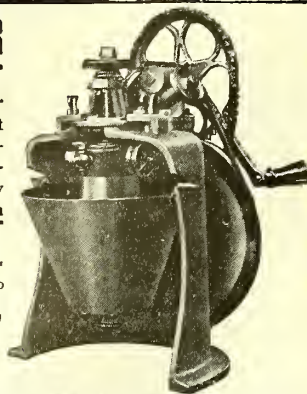
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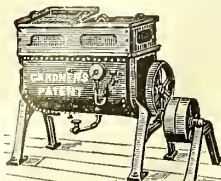
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Exhibit of SIFTING
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HOT-WATER BOTTLES

ONE QUALITY ONLY—THE BEST

REDUCTION IN PRICES

GUARANTEED FOR 2 YEARS.

"THE EMPIRE BRAND."

Both heavy and light Bottles are made from **best quality** rubber.

FIG. 957.—Side Handle.

	Sizes	6 × 8	6 × 10	6 × 12	8 × 10	8 × 12	8 × 14	10 × 12	10 × 14	12 × 14
Top or side handle										
Heavy make	... each	3 0	3 4	3 9	4 0	4 4	4 9	5 0	5 4	6 6
Light	... each	2 9	3 0	3 5	3 6	3 10	4 6	4 8	5 0	6 1
Covers, scarlet or grey plush,	each	0 8	0 8	0 10	0 10	0 11	0 11	0 11	1 0	1 2
" " " felt	"	0 5	0 5	0 6	0 6	0 7	0 7	0 8	0 10	1 0

N.B.—The metal collar in both heavy and light Bottles is **vulcanized into the rubber neck**, thus making it practically one solid piece and doing away with all possibility of leakage.For orders of **two dozen** bottles assorted we will put tablet with customer's name on free of charge.

Each Bottle in a strong paper bag with directions for using.

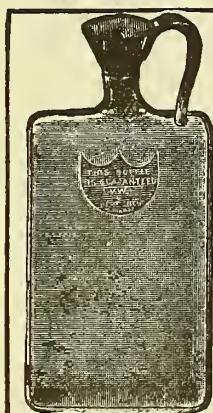
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91 & 92 GT. SAFFRON HILL, LONDON, E.C.



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**GOLD MEDAL
BRITISH MADE****HOT-WATER BOTTLES.**
QUALITY GUARANTEED.Also Special New
**LAMBS' WOOL COVERS, LUNG PRO-
TECTORS, WINTER BODY BELTS,
TRUSSES, etc.**SEND FOR LIST, &c.
4 Abino Place, Blackfriars Bridge, London, S E**USE BEST BOTTLES ONLY.
WILL YOU PLEASE TRY OURS.**

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106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.
The New Shape, Oval Fronted Bottles, 6 ounce size, 8/6 per gross.
A Sample free on Application.**FIRST QUALITY.**
3 & 4 6 & 8 12 16 ounce. } Round edges, plain or
9/- 10/- 15/- 20/- per gross } graduated, quinine tinted.**SECOND QUALITY.**
3 & 4 6 & 8 12 16 ounce. } Round edges, plain or
7/6 8/6 12/- 18/- per gross } graduated, clear blue tinted.**PANEL BOTTLES (New Series), Green or Blue Glass.**
Good Quality.2 2½ 4 6 8 10 ounce. } In ordering please say if
7/- 7/6 8/- 9/- 9/6 12/- per gross } green or blue is required.**WHITE PHIALS—GOOD QUALITY.**
½ 1 1½ 2 ounce. } Plain or teaspoons.
3/6 4/- 4/6 5/6 per gross }

Six gross and upwards, assorted or otherwise, sent carriage paid to any address in the United Kingdom. Smaller quantities not carriage paid.

Established 120 years. Bankers: London County and Westminster Bank.

The Original and only Genuine

Allcock's

POROUS PLASTERS

A REMEDY OF 60 YEARS' STANDING.

Allcock's Plasters**Allcock's Corn and****Bunion Plasters****Brandreth's Pills***The
Three
Reliables.***A HANDSOME
SHOWCARD**
will be sent
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POTTER'S ASTHMA CURE

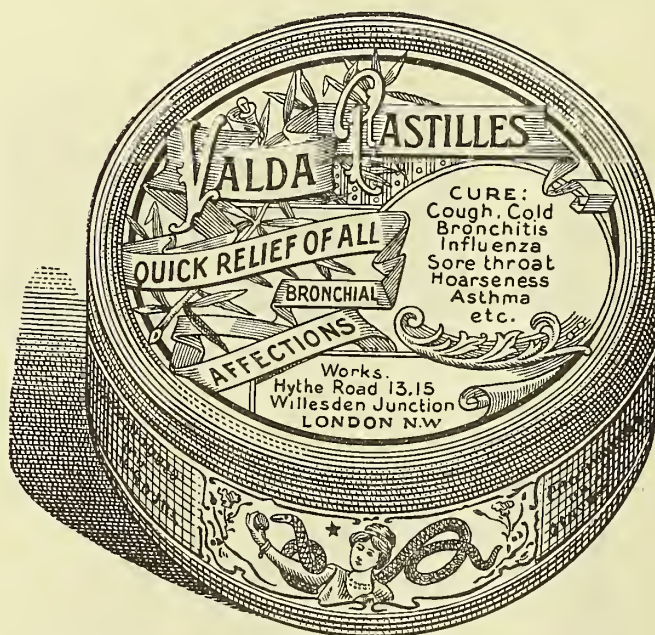
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